

# Rydhm Beri

RESEARCHER · TEACHER

70, Akash Avenue, Green City, Amritsar-143001

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*"Make the change that you want to see in the world."*

## Education

### Ph.D.

LPU(LOVELY PROFESSIONAL UNIVERSITY)

- Pursuing Doctoral research on Part Time basis and scored 9.5 CGPA in Course Work

Mar. 2016-Present

Phagwara

### Master of Computer Applications)

LPU(LOVELY PROFESSIONAL UNIVERSITY)

- Completed on distance mode and scored 71.4% marks

Jun-2013-Jun. 2016

Phagwara

### M.Sc. Computer Science

GNDU(GURU NANAK DEV UNIVERSITY)

- Studied in BBK DAV College for Women, Amritsar and scored 63.92% marks

Jun.2013-Jun. 2015

Amritsar

### Bachelor of Computer Applications

GNDU(GURU NANAK DEV UNIVERSITY)

- Studied in BBK DAV College for Women,Amritsar and scored 61.32% marks

Jun-2010-Jun. 2013

Amritsar

### +2 Arts(Maths, Economics & Sanskrit)

PSEB(PUNJAB SCHOOL EDUCATION BOARD)

- Studied in DAV Senior Secondary School and scored 60% marks

Jun.2009-Jun. 2010

Amritsar

### 10th

PSEB(PUNJAB SCHOOL EDUCATION BOARD)

- Studied in Arun Rashmi Sainik School and scored 63.41% marks

Jun. 2007-Jun. 2008

Amritsar

## Experience

### Chandigarh University

ASSISTANT PROFESSOR

Chandigarh

July. 2020 -present

### BBK DAV College for Women

ASSISTANT PROFESSOR

- Taught Graduation and Post Graduation Classes

Lawrence Road, Amritsar

Jan. 2019 - Apr. 2020

### Lovely Professional University

ASSISTANT PROFESSOR

- Taught Graduation and Post Graduation Classes

Phagwara

Jun. 2018 - Dec. 2018

### BBK DAV College for Women

ASSISTANT PROFESSOR

- Taught Graduation and Post Graduation Classes

Lawrence Road, Amritsar

Jan. 2016 - Apr. 2018

### IBT Institute

COMPUTER LECTURER

- Prepare the students for attempting and answering questions of computer section in competitive exams.

Rani Ka Bagh, Amritsar

Jan. 2014 - Dec. 2015

### RITS Institute

ASP.NET AND HTML PROJECT TRAINER

- Teach students regarding the core concepts of ASP.NET and HTML.
- Implemented Projects of students of final year

Amritsar

Aug. 2012 - Dec. 2013

## Skills

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<b>Programming</b>	Python, C/C++, JAVA, LaTeX, VB.NET, C#.NET, MATLAB, Android
<b>Web</b>	Django with Python, HTML5, CSS, Javascript, ASP.NET, Java Servlets, Wordpress
<b>Databases</b>	MySQL, Oracle, SQLite, MariaDB
<b>Software</b>	Dreamweaver, Microsoft Visual Studio, PHP Storm, Netbeans, WOW Slider, Video Light, Box, Pinegrow, Idle, ECJ Simulation tool, WEKA Simulation tool, NS-2 Simulation tool, SonarQube, Arduino, Thinspeak, Jupyter, Pycharm.
<b>Hardware</b>	Arduino Uno, Arduino nano, Arduino Lilypad, Arduino Mega, NodeMCU, RaspberryPi.
<b>Languages</b>	English, Hindi, Punjabi

## Paper Publications

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### Cloud Computing: A Survey on Cloud Computing

*UGC Indexed*

INTERNATIONAL JOURNAL OF COMPUTER APPLICATIONS

*Feb. 2015*

- ISSN NO.0975-8887
- Page No.19-22
- Volume No.111
- Issue No. 16
- DOI:10.5120/19622-1385

### Descriptive Study of Cloud Computing: An Emerging Technology

*UGC Indexed*

INTERNATIONAL JOURNAL ON RECENT AND INNOVATION TRENDS IN COMPUTING AND COMMUNICATION

*Mar. 2015*

- ISSN NO. 2321-8169
- Page No.1401-1404
- Volume No.3
- Issue No. 3
- DOI:10.17762/ijritcc2321-8169.1503108

### Data Mining & Data Warehousing: An Exhaustive Elucidation

*UGC Indexed*

INTERNATIONAL JOURNAL FOR INNOVATIVE RESEARCH IN SCIENCE & TECHNOLOGY

*Feb. 2016*

- ISSN NO. 2349-6010
- Page No.324-328
- Volume No.2
- Issue No. 9

### Cloud Computing: A Survey on Service Providers

*UGC Indexed*

INTERNATIONAL JOURNAL FOR INNOVATIVE RESEARCH IN SCIENCE & TECHNOLOGY

*Mar. 2016*

- ISSN NO. 2349-6010
- Page No.348-351
- Volume No.2
- Issue No. 10

### Cloud Computing: A Survey on Cloud Simulation Tools

*UGC Indexed*

INTERNATIONAL JOURNAL FOR INNOVATIVE RESEARCH IN SCIENCE & TECHNOLOGY

*Apr. 2016*

- ISSN NO. 2349-6010
- Page No.430-434
- Volume No.2
- Issue No. 11

### A Survey on Mobile Ad Hoc Network (MANET)

*UGC Indexed*

INTERNATIONAL JOURNAL FOR SCIENTIFIC RESEARCH & DEVELOPMENT

*Oct. 2016*

- ISSN NO. 321-0613
- Page No.1064-1066
- Volume No.4
- Issue No. 7

### Cloud Adoption in Enterprise

*UGC Indexed*

INTERNATIONAL JOURNAL OF SCIENTIFIC & ENGINEERING RESEARCH

*Sept. 2016*

- ISSN NO. 2229-5518
- Page No.1670-1630
- Volume No.7
- Issue No. 9

## **Adoption and Use of Cloud by Small and Medium Businesses (SMBs)**

*UGC Indexed*

ADVANCES IN COMPUTATIONAL SCIENCES AND TECHNOLOGY

*May, 2017*

- ISSN NO. 0973-6107
- Page No.529-536
- Volume No.10
- Issue No. 4

## **QoS Web Service Composition**

*UGC Indexed*

INTERNATIONAL JOURNAL ON RECENT AND INNOVATION TRENDS IN COMPUTING AND COMMUNICATION

*May, 2017*

- ISSN NO. 2321-8169
- Page No. 191-193
- Volume No.5
- Issue No. 5

## **Compendious Discourse Concerning MANET Routing Protocols & Simulation Tool**

*UGC Indexed*

INTERNATIONAL JOURNAL ON RECENT AND INNOVATION TRENDS IN COMPUTING AND COMMUNICATION

*May, 2017*

- ISSN NO. 2321-8169
- Page No. 346-349
- Volume No.5
- Issue No. 5

## **Hidden Node Problem in Wireless Ad-Hoc Network**

*UGC Indexed*

ADVANCES IN COMPUTATIONAL SCIENCES AND TECHNOLOGY

*Jun, 2017*

- ISSN NO. 0973-6107
- Page No. 1819-1824
- Volume No.10
- Issue No. 6

## **The Compact Discourse on Problem of Hidden Node, Exposed Node and its Related Issues**

*UGC Indexed*

INTERNATIONAL JOURNAL OF INNOVATIONS & ADVANCEMENT IN COMPUTER SCIENCE

*Oct, 2017*

- ISSN NO. 2347-8616
- Page No. 382-387
- Volume No.6
- Issue No. 10

## **A Succinct Deliberation on Integration of SOA services with Cloud Technology**

*UGC Indexed*

INTERNATIONAL JOURNAL OF INNOVATIONS & ADVANCEMENT IN COMPUTER SCIENCE

*Dec, 2017*

- ISSN NO. 2347-8616
- Page No. 58-61
- Volume No.6
- Issue No. 12

## **The Way Information and Communication Contribute to Education**

*BBK DAV College for Women*

UGC SPONSORED INTERDISCIPLINARY SEMINAR INNOVATION AND BEST PRACTICES IN HIGHER EDUCATION

*Mar, 2018*

## **Embedded Systems Backbone of IOT**

*DAV College*

INTERNATIONAL JOURNAL OF INNOVATION & RESEARCH IN COMPUTER SCIENCE

*Jul, 2018*

- ISSN NO. 2349-2783
- Page No. 8-13
- Issue No. 5

## **Performance Appraisal of Clustering Based Techniques in Data Mining**

*UGC Indexed*

JOURNAL OF THE GUJARAT RESEARCH SOCIETY

*Oct, 2019*

- ISSN NO.0374-8588
- Page No. 20-24
- Volume No.21
- Issue No. 1

## **Machine Learning for Healthcare and Pharma**

*UGC Indexed*

JOURNAL OF THE GUJARAT RESEARCH SOCIETY

*Oct, 2019*

- ISSN NO.0374-8588
- Page No. 500-504
- Volume No.21
- Issue No. 6

## Adoption of E-Wallets in Educated Society

TATHAPI

- ISSN NO.2320-0693
- Page No. 447-452
- Volume No.19
- Issue No. 4

UGC Indexed

Apr. 2020

## IoT based Smart Health Assessment Framework for Pregnancy

MULTIMEDIA TOOLS AND APPLICATIONS

Under Review after Revision

Jul. 2020

## Use of Supervised Learning Techniques to Predict Cesarean Chances

INTERNATIONAL JOURNAL OF INFORMATION TECHNOLOGY

Under Review after Revision

Jul. 2020

## Conference Presentation/Publication

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### The Compact Discourse on Problem of Hidden Node, Exposed Node and its Related Issues

3RD INTERNATIONAL CONFERENCE ON SCIENCE, TECHNOLOGY & MANAGEMENT(ICSTM-2017)

- Publisher:International Journal of Innovations & Advancement in Computer Science
- ISSN NO.2347-8616

UGC Indexed

Nov. 2017

### A SUCCINCT DELIBERATION ON INTEGRATION OF SOA SERVICES WITH CLOUD TECHNOLOGY

6TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS OF ENGINEERING SCIENCE, MANAGEMENT AND HUMANITIES(ICNFESMH-2017)

- Publisher:International Journal of Innovations & Advancement in Computer Science
- ISSN NO.2347-8616

UGC Indexed

Dec. 2017

### Smart Vehicle System for Road Safety During Foggy Weather

2018 7TH INTERNATIONAL CONFERENCE ON RELIABILITY, INFOCOM TECHNOLOGIES AND OPTIMIZATION (TRENDS AND FUTURE DIRECTIONS) (ICRITO)

- Publisher:IEEE
- ISBN NO.978-1-5386-4692-2
- Page No.343-346
- DOI:10.1109/ICRITO.2018.8748854

Scopus Indexed

Aug. 2018

### A utilitarian and Veracious E-Health Care System for Pregnant Women using Fog Devices

1ST NATIONAL CONFERENCE ON INNOVATIONS IN APPLIED SCIENCE AND ENGINEERING

- Page No.E-CO-22

### A Study of E-healthcare system for pregnant women

2ND INTERNATIONAL CONFERENCE ON FUTURISTIC TRENDS IN NETWORKS AND COMMUNICATION TECHNOLOGIES

- Publisher:Springer
- ISBN NO.978-1-5386-4692-2
- Page No.343-346
- DOI:10.1109/ICRITO.2018.8748854

NIT Jalandhar

Apr. 2019

Scopus Indexed

Nov. 2019

### Health Assessment Model to Identify and Control Risk Associated with Preeclampsia using IoT

IEEE 8TH INTERNATIONAL CONFERENCE ON RELIABILITY, INFOCOM TECHNOLOGIES AND OPTIMIZATION (ICRITO'2020)

- Publisher:IEEE

Scopus Indexed

Jun. 2020

### COVID-19 Ramifications during Pregnancy

3RD INTERNATIONAL CONFERENCE ON INTELLIGENT CIRCUITS AND SYSTEMS (ICICS-2020)AT: LOVELY PROFESSIONAL UNIVERSITY

- Publisher:CRC Press(Taylor Fransis)

Scopus Indexed

Jun. 2020

## Books Publication

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### Core Python Programming

LAMBERT ACADEMIC PUBLISHING

Jan. 2018

- ISBN NO.978-613-5-80076-0

### C++ Programming: A Practitioner's Approach

LAMBERT ACADEMIC PUBLISHING

Nov. 2018

- ISBN NO.978-613-9-93986-2

### Python Made Simple: Learn Python programming in easy steps with examples

BPB PUBLICATIONS

Jul. 2019

- ISBN NO.9789388511025

### Cloud Computing

LAMBERT ACADEMIC PUBLISHING

Mar. 2020

- ISBN NO.978-620-2-51229-9

### Database Management System

LAMBERT ACADEMIC PUBLISHING

Jul. 2020

- ISBN NO.978-620-2-67816-2

### Biomedical sensors data acquisition with LabVIEW

BPB PUBLICATIONS

Aug. 2020

- ISBN NO.9389845998

### Data Analytics using Python

BPB PUBLICATIONS

Under writing

### System Software

BPB PUBLICATIONS

Under writing

### Database Management System

BPB PUBLICATIONS

Under writing

## Patent Publications

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### A Smart Healthcare System for Pregnancy Management

GOVERNMENT OF INDIA

Dec. 2019

- Patent Number:201911049368

### SMART GESTURE GENERATION SYSTEM FOR DEAF PEOPLE

GOVERNMENT OF INDIA

Dec. 2019

- Patent Number:201911051156

### AN EFFECTIVE PREGNANCY E-HEALTHCARE SYSTEM INTEGRATED WITH REAL TIME MONITORING AND ATTENTIVENESS

GOVERNMENT OF INDIA

Aug.2020

- Patent Number:201811030615

## Short Term Course

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### Pandemic Analytics using Machine Learning with Python

PARTICIPATED AND OBTAINED O GRADE

*Lovely Professional University*

*1 July 2020 to 14 July 2020*

### Matlab-Statistics And Data Science

PARTICIPATED

*Sagar Institute of Research & Technology(SIRT)*

*27 July 2020 to 1 August 2020*

## Workshops Participated

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### Workshop on Scientific Writing using Typesetting Software LaTeX

PARTICIPATED AND OBTAINED O GRADE

*Lovely Professional University*

*6-7 Apr. 2019*

### Workshop on Digital Marketing

PARTICIPATED AND OBTAINED B GRADE

*Lovely Professional University*

*16 Dec. 2017*

### Basics of Research, Writing Research Papers, Academic Research Report Writing, Tools for Research

PARTICIPATED AND OBTAINED A GRADE

*Sankara College of Science and Commerce*

*9 April 2020 to 10 April 2020*

## Webinar

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### Impact of Online Teaching During Covid-19

PARTICIPATED

*BBK DAV College for Women, Amritsar*

*31 Aug. 2020*

## FDPs Attended

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### Python 3.4.3

PARTICIPATED IN ONE WEEK FDP

*P.R. Pote Patil College of Engineering & Management*

*22 April 2020 to 27 April 2020*

### Art of Effective Teaching

PARTICIPATED IN TWO DAYS FDP

*Dr. M.G.R. Educational and Research Institute*

*7 Sept. 2020 to 8 Sept. 2020*

### Artificial Intelligence using Python

PARTICIPATED IN ONE WEEK FDP

*DAV Institute of Engineering & Technology*

*14 Sept. 2020 to 19 Sept. 2020*

## Achievements

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### Graduate Trainee

PLACED

*Tata Cosultancy Services*

*2014*

### Technoloholic Computer Quiz

WON FIRST PRIZE

*Amritsar College of Engineering*

*Feb 2015*

### M.Phil

CLEARED M.PHIL ENTRANCE EXAM

*Lovely Professional University*

*July 2015*

## Reviewer or Commettee Member

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### Reviewer

ADVANCES IN SCIENCE, TECHNOLOGY AND ENGINEERING SYSTEMS JOURNAL(ASTESJ)

*ISSN No.2415-6698*

*Jun.2019-Present*

### 2018 7th International Conference on Reliability, Infocom Technologies and Optimization (ICRITO) (Trends and Future Directions)

TECHNICAL PROGRAM COMMITTEE

*Amity University*

*Aug. 2018*

## Certification

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### Five Weeks Summer Course in ASP.NET

PARTICIPATED

*BBK DAV College for Women*

*Jun. 2012*

### VB.NET with Project Development

PARTICIPATED AND OBTAINED A+ GRADE

*Systematic Computer Coachin  
Centre*

*Jul.2013-Dec.2013*

### Java Standard Edition 8

SECURED A GRADE

*VMM Education*

*2 Aug. 2014-30 Sep. 2014*

### Python

SECURED A GRADE

*VMM Education*

*2 Jan. 2017-30 Mar. 2014*

### 4th International Conference on Computing Sciences(ICCS)"Feynman-100"

PARTICIPATED

*Lovely Professional University*

*30 Aug 2018*

### All India Research Championship 2019-20 Internet of Things Zonal Workshop Conducted By TechieNest Pvt.Ltd. in Association Techkriti IIT Kanpur

PARTICIPATED

*Lovely Professional University*

*19-20 Oct 2019*

### "INNOLOGUE-Samadhan Par Charcha" an innovation contest

PARTICIPATED

*Lovely Professional University*

*June 2020*

### Python3, Django Framework & Machine Learning

SECURED A GRADE

*VMM Education*

*3 March 2020 to 30 May 2020*

### HTML5 and CSS3

PARTICIPATED

*CreArt Solutions and Sigma  
Institute of Engineering*

*22 May 2020*

### Covid-19 Awareness Program

COMPLETED COVID-19 AWARENESS QUIZ

*Vivekanandha College of Arts and  
Sciences for Women*

*18 May 2020*

## Personal Details

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**FATHER'S NAME:** RAJESH BERI

**MOTHER'S NAME:** SUMAN BERI

**NATIONALITY:** INDIA

**DATE OF BIRTH:**22/AUGUST/1992

**MARTIAL STATUS:** UNMARRIED

## Declaration

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I HEREBY DECLARE THAT THE ABOVE KNOWLEDGE IS TRUE IN MY CONTEXT.