

Dr. SURIYA BEGUM

Location: Bangalore, India

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PROFILE

Professor with 25 plus years of experience. Conducting fieldwork, investigations, research, writing up reports and publishing research articles. Delivering presentations, attending conferences, and networking with SMEs in the field. Participating in learning opportunities and gained experience by traveling to other Universities or Academic settings. Assisting in academic counseling, interviewing and student recruitment.

TECHNICAL SKILLS

- Data Analytics
- Machine Learning
- Python
- R Essentials
- Predictive Analytics
- Artificial Intelligence
- Data Mining
- Statistics
- Time Series Forecasting
- Deep Learning Foundation
- MySQL
- Tableau
- Model Deployment
- Cloudsim
- Excel
- C
- C++
- UNIX
- HTML
- Office365
- Google Colab

CAREER SUMMARY

NIIT, Bangalore, India

Sr. Corporate Trainer

Nov 2021– Mar 2022

Outline

Worked in StackRoute, a venture of NIIT managed the Data Science & Machine Learning team and actively engaged in the content development of various domains & delivered the technical sessions.

Key Responsibilities

- Designed, developed and trained the learners via multiple tools, such as instructor-led training, leader-led learning, self-study, blended learning, just-in -time learning / webinars, e-learning.
- Collating feedback on completed training to evaluate and measure results.
- Conducted extra sessions for improvements where required.
- Maintaining a database of all training materials.

BIET, Hyderabad, India

Associate Professor

Dec 2020– Oct 2021

Outline

In-charge of research and development department.

Key Responsibilities

- Assisting with the training and recruitment of new lecturers, teaching assistants and professors.
- Excellent research, teaching and presentation skills.
- Attending academic and professional conferences and networking with other researchers.
- Written proposals to secure research funding.
- Participating in departmental and faculty seminars aimed at sharing research outcomes.
- Building interdisciplinary collaboration within and outside the organization.
- Advisory board member and associate reviewer.

Rubixe, Bangalore, India

Data Scientist

Mar 2020– Feb 2021

Outline

Performed research, Proof of concept (POC) and analyze ML algorithms to solve a given problem.

Key Responsibilities

- Trained models, tuning hyper-parameters and deployed at client's place.
- Errors of the models were analyzed and developed strategies to overcome them.

NHCE, Bangalore, India

Sr. Assistant Professor

Sep 2008– May 2018

Outline

In-charge for overall academic development programs of post graduate and under graduate students.

Key Responsibilities

- Traveling to other higher education settings to gain experience and expand networks.
- Engaged with the broader scholarly and professional communities.
- Assisted in preparing schemes of work and lab manuals, to monitor student progress.
- Effectively helped to complete research projects of students and faculty members.
- Provided mentoring, pastoral care and support for post graduate and undergraduate students.
- Encouraged and trained the students to published technical papers in conferences and journals.

J.U.U Degree College, Bangalore, India Head of the Department July 2001– Sep 2008

Outline

In-charge for overall academic and student development programs of under graduate students.

Key Responsibilities

- Conducted workshops and seminars on various domains.
- Participated in the administration of the department's program of study & conduction of exams.
- Developed and implemented course material, curricula, homework assignments and handouts.

I.N.E.S Training Institute, Bangalore, India Software Trainer Jan 1998- July 2001

Outline

As a Software Trainer, imparted training on DOS and C programming essentials.

Key Responsibilities

- Supervising, advising, and mentoring teaching assistants and students.

Sir M. VIT Engineering College, Bangalore, India Lecturer Aug 1996- Dec 1997

Outline

Delivered sessions in DOS and programming languages.

Key Responsibilities

- Delivered the lectures for student fraternity.

PROJECT HIGHLIGHTS

- **Bank Good Credit:** I worked as Machine Learning (ML) Engineer and contributed in the exploration of data analysis (EDA). I developed various models to enhance the accuracy.
- **ITSM Incident Management ML Project:** I was involved from initial discussion of this project till the final delivery. Project was successfully delivered and deployed at client location.
- **Insurance Cost Prediction:** My role was to perform analysis of the data through visualization.
- **Home Loan Default Risk:** My main role in this project was cleaning and transforming the data.
- **FicZon Sales Effectiveness:** Applied algorithms were XGBOOST and Random Forest Classifier. Model is successfully delivered to the client.
- **Heart Disease Prediction:** I executed and evaluated the Machine Learning Models .Also, performed EDA and Feature Engineering.
- **Employee Performance Analysis:** I performed feature engineering for the given data and found the top three factors affecting employee performance. Also, optimized the model.

EDUCATION

Ph.D in High Performance Computing Feb 2011 - July 2019
Visvesvaraya Technological University, India

M.Phil in Computer Science and Engineering June 2010 - May 2011
Prist University, India

M.Tech in Computer Science and Engineering Feb 2005 - June 2007
Allahabad University, India

PUBLICATIONS, BOOK and BOOK CHAPTERS AND PATENTS

- DOI: 10.31033/vanpub202103, January 26, 2022. (ISBN:978-93-90728-66-4)
- DOI:10.31033/vanpub2021/03, August 15,2021
- <https://link.springer.com/book/10.1007/978-981-16-6369-7>, December 17, 2021.
- ISBN 13: 978-620-3- 92505-0, 17-6-2021,
- 2021101568(Australian), 03-03- 2021(Patent)
- 202141008884, 03-03-2021, 12-03-2021(Patent)
- 202111006351(Indian), 12-02-2021(Patent)
- DOI: https://doi.org/10.1007/978-981-16-6369-7_18
- <https://www.turcomat.org/index.php/turkbilmat/article/view/5203>
- <https://www.ijcsi.org/papers/IJCSI-10- 1-2-343-352.pdf>
- <https://www.ijcsi.org/papers/IJCSI-10- 6-1-276-287.pdf>
- DOI:10.1109/WiSPNET.2016.7566336 Publisher: IEEE

PROFESSIONAL ACHIEVEMENTS

- Appointed as a SME REVIEWER by AICTE in AICTE SLAP Project.
- AICTE SERB SUPRA Research Grant Project and STTP two proposals (Applied).
- Institute Innovative Council (IIC) Ambassador.

SOFT SKILLS

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|---------------------------|--------------|---------------------|
| • Effective Communication | • Team Work | • Strong Work Ethic |
| • Self-motivated | • Leadership | • Problem Solving |

CERTIFICATIONS

- International Association for Business Analytics Certification (IABAC) Certified Data Scientist.
- International Association for Business Analytics Certification (IABAC) Data Science Foundation.
- Cloud Computing certification from Great Learning Academy.
- IBM DB2 9 Database & Application Fundamentals.
- IBM RAD for Web Sphere Software V6.0.
- NPTEL Online Certification in Introduction to Research, Internet Of Things, Cloud Computing, Introduction to Machine Learning.
- NITTT Online Certification in Technology Enabled Learning, Creative Problem Solving Innovation.

ACTIVITIES

- Volunteered in '**Vinyasa Trust For Differently Challenged**' by donating educational expenses for the blind children from Sept 2018 – Till date. (<https://vinyasatrust.org/home>).
- Volunteered in '**Biswa Niketan Old age Home – a Unit of Mahan Sangha**' by adopting senior female citizen's monthly expenses from Dec 2017 – Dec 2021. (<http://www.mahansangha.org/>).

AFFILIATIONS

- Lifetime member of Computer Society of India (CSI-I1180451), IAESTE (Since 2021).
- IEEE Member since Sep 2011.