Shilpa R

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🐙 https://github.com/Shilpar31

Education

Master of Computer Applications (MCA) | CGPA: 8.9　　　　　　**Bengaluru, India** *2021-2023*
Kristu Jayanti College

Bachelor of Computer Applications (BCA) | CGPA: 9.6　　　　　　**Bengaluru, India** *2018-2021*
Kristu Jayanti College

Skills

Languages : Python, Java, SQL, C
Libraries/Tools : Pandas, Numpy, Scikit-Learn, Matplotlib,PowerBI, Excel, Jupyter Notebook
Soft skills : Adaptability, Communication skills, Analytical Thinking, Creativity, Teamwork

Professional Experience

Teaching and Research Assistant | Full time　　　　　　**Bengaluru, India** *Jul 2024 - Present*
Kristu Jayanti College

- Teach undergraduate courses in Computer science, developing course content, delivering lectures, and fostering an interactive and academically rigorous classroom environment.
- Conduct research in machine learning and AI, focusing on innovative techniques.

Technical Consultant - Data Science | Internship　　　　　　**Bengaluru, India** *Jan 2024 - Jul 2024*
Edureka

- Delivered IT solutions and training, achieving 80% client satisfaction.
- Provided data-driven insights using machine learning and Power BI, developed models aligned with client goals, and identified opportunities for data optimization and process improvement.

Software Engineer-Trainee | Internship　　　　　　**Bengaluru, India** *Jan 2023 - Jul 2023*
Sysfore Technologies Pvt Ltd

- Developed two key modules for a leading manufacturing firm, enhancing 10% functionality and performance.
- Identified and documented software flaws, and created detailed BRDs and solution plans for assigned modules. Adapted to project scope and timeline changes while maintaining high-quality outputs. Achieved a 4.1/5 performance rating for significant contributions to project success.

Projects

Research Project: AI-ML Models with Fuzzy Logic for Mining Safety-(Under the guidance of Prof.Ranjitha M) | September 2024 - present
- Integrated ML models with fuzzy logic to enhance safety measures in mining operations.
- Created predictive systems for hazard detection, improving risk assessment accuracy.Conducted experiments and analysis to validate the effectiveness of the developed models

Travel Aggregator Analysis| 2024
- Analyzed datasets to extract insights and address critical business questions.Identified distinct bookings, sessions, and searches alongside determining sessions with multiple bookings. Utilized data visualization techniques, including pie charts and heat maps, to illustrate booking patterns and correlation.

Visitor Management App| 2023
- A website and mobile application were created to track all visitors, set up appointments, and provide visitor passes for an organisation. Implemented seamless integration with Microsoft services like Azure Active Directory and Microsoft 365.

Certifications

- Minor degree in AI - IIT Ropar | Aug 2024- Present
- Generative AI with LLM - DeepLearning.AI - [Gen AI with LLM](#)
- Data Science Job Simulation -BCGX (Forage) - [BCGX](#)
- Microsoft Power BI Certification Training Course by Edureka - [Edureka](#)
- AWS Academy Graduate by Amazon Web Services(AWS) - [AWS](#)

Awards and Leadership Roles

* Secured second rank in MCA programme | batch 2021-2023
* Runner-up for IT Debate at the National Level IT fest conducted by St.Joseph's Engineering College | 2022
* Student Placement Coordinator and class representative for MCA Department | 2021-2023
* Program Coordinator for the 47th edition of Vichaarmanthan- An interaction with Global Visionaries | 2022

Volunteering

- Girl script summer of code GSSoC'24 - Mentor | 2024
- ACM-W Women Chapter - Lead (2022-2023) | 2019-2023
- IEEE student chapter | 2021 - 2023