Deepthi Dayanand

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EDUCATION

PES University   **Bangalore, India**
Bachelor of Technology in Computer Science and Engineering   2020 - 2024
Teaching Assistant for 'Object Oriented Analysis and Design using Java' course.
Recipient of the MRD scholarship for being in the top 20% of the batch.

SKILLS

Languages and Frameworks: Java, Python, JavaScript, NodeJS, ReactJS, MySQL, PostgreSQL, Spring, Hibernate
Cloud: AWS, GCP, Git, MongoDB, SQL, Shell scripting, Cloud architecture, Postman API
Machine Learning: PyTorch, pandas, numpy, scikit-learn, NLTK, Keras, TensorFlow

EXPERIENCE

Schneider Electric India, Bangalore *Software Application Engineer*   *August 2024 - Present*
- Currently working on the migration of monolithic legacy code to microservices architecture.

Schneider Electric India, Bangalore *R&D Software Intern*   *Jan 2024 - Aug 2024*
- Reduced build time by 27% by designing and implementing secure and efficient data ingestion pipelines.
- Handled the design, deployment, and management of scalable cloud solutions to support R&D initiatives..
- Automated deployment processes to maintain a secure efficient cloud environment for cross functional teams.

Lensta Technologies, Bangalore *Software Engineering Intern*   *June 2023 – July 2023*
- Revamped database schema design, improving query response time by 40% and reducing server costs.
- Utilized JavaScript frameworks to enhance frontend functionality, resulting in an increase in user engagement.

Center for Innovation and Entrepreneurship, PESU Bangalore *Product Intern*   *June 2022 – December 2022*
- Worked on creating an app to gamify the learning process for coursework using MERN stack. Oversaw a team of 12 members while contributing to the design and development of the product.

Center for Data Science and Machine Learning, PESU Bangalore *Research Intern*   *June 2022 - July 2022*
- Developed and optimized Machine Learning models to approximate complex mathematical functions.

PROJECTS

Cloud based management system for small scale legal firms | Capstone Project
 Developed a fullstack cloud-native web application for small scale legal firms deployed on AWS with 3 distributed, efficient microservices.
Network communication visualization | Computer Networks course
Processed network trace data and stored it in a Neo4j graph database to allow for visualization and analysis of network communication patterns.
Social Network Analysis | Network Analysis and Mining
Aims to apply network analysis techniques to the "Murder on the Orient Express" by Agatha Christie, to explore the relationships between characters and uncover hidden patterns in the story.

PUBLICATIONS

1. Literature Review of Approaches in Cloud-based Management systems for Legal Firms, Data Science and Intelligent Computing Techniques, ***ADCIS 2023***
2. Secure cloud based enterprise management system for Legal Firms, Fifth International Conference on Computing and Network Communications, ***CoCoNET 23***
3. Neural Networks for Human-Machine Interface, Chapter 1, Human-Machine Interface Technology Advancements and Applications, 2023