

MEGHANA S R

Bengaluru, Karnataka | P: +91 8618506703 | meghs822@gmail.com |
<https://www.linkedin.com/in/meghana-sr-48637521a>

EDUCATION

BANGALORE INSTITUTE OF TECHNOLOGY

Bachelor of Engineering

Major in Artificial Intelligence and Machine Learning

Cumulative GPA: 8.5 as of 8 semesters

Relevant Coursework: Artificial Intelligence; Machine Learning; Data Science; Data Structures.

Bengaluru, KA

May 2024

EXPERIENCE

Prinston Smart Engineers

September 2023

Machine Learning Intern

- Conducted tsunami prediction using supervised and unsupervised ML techniques resulting in 92-95% accuracy.
- Worked on stock market prediction, utilizing machine learning to analyze market trends leading to a 20% improvement in investment decision-making.

PWall

January 2024

Executive lead

- Led a 10-member executive team, achieving a 10-15% increase in annual revenue through strategic planning.
- Implemented cost-saving measures, reducing operational expenses by 5-10%, while negotiating key partnerships for market expansion. Also championed sustainability, enhancing its environmentally responsible reputation.

PROJECTS

INVENTORY & ORDER MANAGEMENT SYSTEM/(Java, Spring Boot, Oracle SQL, Azure AKS, Docker, React)

- Designed REST APIs to manage product inventory, stock levels, and customer orders.
- Implemented role-based access control for admins, suppliers, and customers.
- Developed real-time stock validation logic during order placement to prevent overselling.
- Deployed services on Azure AKS using Docker for containerized, scalable infrastructure.
- Built a React interface for admins to track orders, update inventory, and view analytics.
- Enabled audit logging and data consistency checks using SLF4J and transactional annotations.

FINANCIAL ELIGIBILITY SYSTEM/(Java, Spring Boot, Oracle SQL, Azure AKS, Docker, Jenkins, React, Python)

- Built REST APIs for real-time loan/credit eligibility checks.
- Integrated third-party credit score & KYC services.
- Logged decisions with SLF4J for traceability.
- Deployed via Docker on Azure AKS using Jenkins pipelines.
- Developed a React dashboard for internal audits.
- Integrated a Multi-Layer Perceptron (MLP) neural network model using TensorFlow/Keras to predict loan approval probabilities based on income, credit score, and repayment history.

CROWD MANAGEMENT IN DISASTER AREAS/(DeepLearning,HTML,CSS,JavaScript,Flask)

March 2024

- Led development of crowd management system using HTML, CSS, JavaScript frontend and Python with Flask backend. Integrated YOLO v8 for crowd monitoring and injury detection, enabling rapid disaster response.
- Incorporated YOLO v8 object detection for precise crowd analysis. Developed algorithms for injury detection in thermal images, facilitating prioritized medical assistance.
- Built a color-coded heatmap visualization for resource allocation estimation, providing actionable insights into crowd distribution and severity with a 25% improvement in response time for disaster management decisions.

CERTIFICATION

- Code Wars - Hackathon (HP)
- ODE2CODE- Hackathon
- Python Fundamentals (Infosys)
- Machine learning using python (workshop)
- Full Stack Software developer – IBM(Coursera)

ADDITIONAL

Coding Languages: Python [NumPy, Pandas, Scikit-Learn, TensorFlow, Keras],Intermediate in C, C++, Java.

Technical Skills:

- Languages & Frameworks:** Java, Spring Boot, SLF4J, React
- CI/CD & DevOps:** Jenkins (JCasC), Docker, Kubernetes
- Cloud & Tools:** Azure (AKS), RabbitMQ, Oracle SQL
- Methodologies:** Agile, SDLC, Continuous Delivery

Soft Skills: Self-starter, adaptable, detail-oriented, fast learner, calm under pressure