ASHWIN REDDY

Boston, Massachusetts | P: +1 4702294710 | ashwinreddy10@yahoo.com

U.S.A Citizen : No work authorization required

EDUCATION

NORTHEASTERN UNIVERSITY   Boston, Massachusetts
Masters of Science (MSc) in Computer Science   Aug 2024 - Present
Relevant Coursework: Programming Design Paradigms; Database Management Systems; Algorithms; Web Dev

M S RAMAIAH INSTITUTE OF TECHNOLOGY   Bangalore, India
Bachelor of Engineering (B.E) in Computer Science Engineering   Aug 2019 - Jun 2023
Relevant Coursework: Operating Systems; Linear Algebra & Calculus; Data Structures & Algorithms; AI / ML /DL; Compiler Design; Cloud Computing

SKILLS

AI/ML & Data Science:	Python; Numpy; Pandas; Scikit-learn; TensorFlow; PyTorch; Keras; OpenCV; Transformers; Hugging Face; Matplotlib; Seaborn; Plotly; SpaCy; NLTK
Web Development:	HTML; CSS; JavaScript; React; Postman; Prisma
Backend Development:	**Java**; Spring; Spring Boot; JUnit; **Node.js** Express.js; **Python**; Flask; FastAPI; REST API
Databases, Cloud Computing & Containerization:	SQL; MySQL; SQLite MongoDB; Elasticsearch; AWS; Docker; Kubernetes; Terraform; Jenkins

WORK EXPERIENCE

AGCO Corp.   Bangalore, India
Jr Project Manager   Aug 2023 – Jul 2024
- Led the transformation of **AGCO OnePlan,** enhancing project management efficiency through the implementation of advanced and innovative business strategies.
- Led cross-functional teams, fostering collaboration and achieving project goals.
- Generated a report on IT vendor spend data analysis, optimizing IT spend using **Power BI**.

CGI inc.   Bangalore, India
Software Engineering Intern   Jan 2023 – Jun 2023
- Integrated **tracing, indexing, and metrics** into the Advantage ERP by implementing **trace span wrappers**, capturing execution logs to enhance observability, diagnose performance bottlenecks, and resolve out-of-memory issues.

Technologies Used: Java, ElasticSearch, Zipkin, GitHub, JIRA

PUBLICATIONS / PROJECTS

CLOUD NATIVE RESOURCE MONITORING APP (DevOps)
- Built a **Python**-based monitoring application using **Flask** and **psutil** to track CPU, memory, and disk usage in real time.
- Provisioned **AWS EKS** cluster and **ECR** using **Terraform**, automating infrastructure setup and resource management.
- Containerized the application using **Docker**, created **Dockerfiles**, and pushed images to **AWS ECR**.
- Deployed the application on **AWS EKS**, provisioning node groups and configuring **Kubernetes** deployments and services.

REAL TIME AMERICAN SIGN LANGUAGE - ENGLISH TRANSLATOR (Computer Vision)
- Developed a **deep learning** web application in **Python** that converts American Sign Language to English text and vice versa in real time, achieving 94% accuracy.
- Leveraged libraries such as **MediaPipe, TensorFlow, OpenCV, NumPy, and Flask** for hand tracking, model training, and application deployment.