Rohith Gannoju

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EDUCATION

San Francisco State University — **San Francisco, CA**
Masters, Computer Science(CGPA - 3.9/4.0) — Aug 2024 – May 2026

Mahatma Gandhi Institute of Technology(MGIT) — **Hyderabad, India**
Bachelors, Computer Science (CGPA - 7.0 / 10) — Jul 2018 – Jul 2022

SKILLS

Frameworks/Tools: Kafka, Fling(exposure), RPC Frameworks, React, GraphQL, Github, Spring Boot, Flask, FastAPI, Node.js, Hibernate, Express.js, Postman, ELK, JWT, JUnit, AWS (Lambda, EC2), Agile, Jira, Redis, Terraform (basic).

Languages: Python, Typescript/JavaScript, Java, C++, HTML5, CSS3, C, Database(MySQL, PostgreSQL), English, Hindi, Spanish.

Data Science & Analytics: Python (NumPy, Pandas, scikit-learn), TensorFlow, Keras, Matplotlib, Seaborn, Data Visualization, Exploratory Data Analysis (EDA), Model Evaluation, Feature Engineering, Machine Learning (Classification, Regression), Deep Learning (CNN, RNN)

WORK EXPERIENCE

SFHacks — **San Francisco, CA**
Technical Team Member — May 2025 – Present
- Develop and test scalable backend services with Node.js and Express.js, implementing REST APIs and async workflows for hackathon platforms. Debug and optimize cloud-native services, improving reliability and throughput.
- Design, develop and maintain a production-grade bulk email system using Amazon SES for secure, high-volume communication.
- Collaborate in Agile sprints and code reviews, ensuring maintainable and testable code.
- Take care of technical operations during hackathons, monitoring dashboards, API calls, load balancers, and system performance, optimizing backend throughput under high concurrency conditions to ensure smooth participant experience.

The Citco Group Limited — **Hyderabad, India**
IT Junior Developer — Apr 2023 – Aug 2024
- Designed, implemented, and delivered end-to-end Java Spring Boot microservices for the BPM application, building highly reliable, resilient, real-time features with maintainable, high-quality code to ensure financial compliance and billing accuracy.
- Designed and built APIs to drive existing and new features for the BPM web-based application, collaborating with product and QA teams to scope requirements and ship thoughtful, customer-focused solutions for financial workflows.
- Documented APIs, workflows, and design decisions to improve maintainability and cross-team clarity.
- Collaborated using GitHub for code reviews, issue tracking, and PRs, rapidly merging fixes with cross-functional teams while migrating BPM components to AWS (Lambda, EC2, CloudWatch) for scalability and high availability.
- Recognized as "Employee of the Month" for delivering impactful features under tight timelines.

Triadic Infosolutions — **Hyderabad, India**
Full-Stack Development Intern — Sep 2021 – July 2022
- Built and deployed full-stack applications(Kraya and MeetDr), including scalable React components and REST APIs with Spring Boot and Hibernate. Applied algorithms, data structures and OOPs to design efficient APIs and scalable database operations.
- Collaborated via GitHub repositories in Agile sprints, participating in peer code reviews and contributing to CI/CD pipelines (Git, Jenkins).

Indian Servers — **Hyderabad, India**
Machine Learning Intern — May 2021 – July 2021
- Developed end-to-end ML pipelines for classification tasks using Python, TensorFlow, Keras, and scikit-learn, including data preprocessing, model training, evaluation, and visualization.
- Applied computer vision and statistical models to build real-time safety-enhancing features for driver monitoring.
- Utilized NumPy, Pandas, scikit-learn, and Matplotlib for data preprocessing, analysis, and performance evaluation.

PROJECTS

RedJr(Flask Web Application - SFSU Marketplace) - Flask, SQLAlchemy, AWS EC2, MySQL **GitHub**
- Developed a full-stack Flask web app with dynamic listings, category search, image handling, and RESTful APIs; integrated SQLAlchemy with AWS RDS (MySQL) for scalable and reliable operations.
- Deployed and maintained the application on AWS EC2 using Apache2 with WSGI, designing for high performance.

Image Captioning with Attention Mechanism - Python, TensorFlow, Keras, VGG16, LSTM **GitHub**
- Built and trained a deep learning model on real-world image data using LSTM and CNN layers with attention mechanism; evaluated results using BLEU scores.
- Trained and evaluated the model on the Flickr8k dataset; applied in contexts like assistive tech and autonomous systems.

Fish Breed Classification - Keras, TensorFlow, OpenCV **GitHub**
- Developed a real time Fish Breed Classier using A Large-Scale Fish Dataset. Implemented Deep learning algorithms to create a real time environment for classifying fish breed. Conducted preprocessing, model training, and validation using stratified k-fold cross-validation.

Drowsiness Detection - OpenCV, Dlib, SciPy, Python **GitHub**
- Built a real-time drowsiness detection system using OpenCV, Dlib, and SciPy to track facial landmarks, compute Eye Aspect Ratio (EAR), and trigger alerts based on sustained low EAR values.