Rohith Gona
Software Engineer

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Skills & Technologies

Programming Languages: Python, Java, Kotlin, C#, C, JavaScript
AI/ML & Data Science: TensorFlow, PyTorch, scikit-learn, pandas, NumPy, Seaborn
Databases: MongoDB, PostgreSQL, SQLite, MySQL
Full-Stack Development: HTML, CSS, Tailwind CSS, React, Vite, FastAPI
DevOps & Tools: WSL, Linux, Git, GitHub, Node.js, Bash, Docker
Business Intelligence: Tableau, Power BI

Experience

technical team lead
Smartzy Edu (Apr 2025 – Present)

- Leading technology initiatives and full stack development and software engineering.
- Overseeing hybrid development teams and guiding product architecture.
- developed a website for smartzy edu private ltd with a team.

Generative AI Engineer (Intern) BVM Technologies, Hyderabad (Jun 2025 – 20-day internship)

- Contributed a speech-to-text feature for the company's AI chatbot using Python and speech recognition.
- Integrated voice input into the conversational pipeline to enhance accessibility and UX.
- Discussed future scope to continue the project remotely post initial internship period.

AI Intern CollegeTips.in (Apr 2025 – Present)

- Working on AI-driven educational projects remotely with the task of developing an AI website and other projects.
- Focused on project management and deploying machine learning models projects.

Hackathon Participant
Frost Hacks, Hyderabad (2023)

- Participated in gamified theme hackathon and developed innovative solutions under pressure.
- helped my team of 4 develop an AI chat-bot in an education app.

College Expo runner — METE Expo, IARE Hyderabad (2024)

- Won 2nd place for a project that enhances learning via active recall with AI assistance.

Projects

Build-it link (In Development)

- Built the full test submission and results system with leaderboards, and analytics.
- Engineered cross-platform exam security with real-time tab/window monitoring and anti-cheat features.
- Refactored the code execution engine and input parsing for smoother test case handling and responsive user interface.

Open Source Contribution – yasb-themes link

- Contributed a new theme to the open-source **yasb-themes** project.
- The theme is featured as the first in the latest release.

Smartzy Education Platform (In Development)

- Leading the development of an educational platform as the Technical Team Lead of Smartzy Edu.
- Architecting a full-stack web app using React ts, Tailwind CSS, Vite, and other Services aimed at personalized learning and student analytics.

- Collaborating with a team to deliver MVP features including authentication, chat interface, and course management.
- Engineered a speech recognition feature using Hugging Face transformers for a production AI chatbot.
- Integrated the speech-to-text pipeline directly into the existing chatbot architecture to enable seamless voice input.
- Delivered the MVP and pushed to production within a short 20-day internship, with scope for remote continuation.

Speech-to-Text Chatbot Module – BVM Technologies
(Closed-source)

- Engineered a machine learning model using many model and concluded XGboost classifier as the best model to predict employee performance levels, achieving a 94% accuracy rate, RMSE, and 91% in F1 score.
- Developed a web application with Dash library in Python for real-time performance assessment, also with normal HTML for just the output view, aiding management in identifying high-potential employees and training needs.
- collaborated with my teammate in designing a Tableau dashboard.
- This project was shortlisted for the final round in a Hackathon conducted at the Institute of Aeronautical Engineering.

Employee Performance Prediction link

- Built a predictive model to assess loan approval likelihood using classification algorithms.
- Achieved an F1 score of 0.99 on dataset (614 train, 367 test).

Loan Prediction Analysis

- Analyzed turnover trends with a Random Forest (85% accuracy), then optimized with SGD (92% accuracy).
- Focused on feature engineering and hyperparameter tuning.

Predict Employee Attrition

- Created a Linux CLI tool to detect malware in files/URLs using the VirusTotal API.
- Achieved 95% detection accuracy.

WatchOut (Malware Detection CLI)

Certifications

- Get Started with Microsoft Data Analytics
- Certified Data Science Trainee
- Data Analysis with Python
- GitHub Foundations
- Develop Solutions with Azure AI
- Introduction to Deep Learning
- DevOps Foundation Certification

Education

Institute of Aeronautical Engineering, Hyderabad
B.Tech in Computer Science (August 2023 – Present)

Contact Me

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