

Edmala Pranay Reddy

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Summary

Software Developer (AI + Full-Stack) skilled in **Python, JavaScript, SQL, TensorFlow, React, Node.js, and PostgreSQL**. Built ML and web applications including a **deepfake detector (91% ROC-AUC)** and a networking platform projected to cut spoofed accounts by **70%**. Active in competitive programming—ranked top 15% in Smart Interviews contests and solved **300+ DSA problems** across Hive, LeetCode, and CodeChef. Familiar with **microservices, CI/CD, REST APIs, and Agile practices**.

Education

B.Tech, Computer Science & Engineering — GRIET, Hyderabad

2023 – 2027 (Expected)

CGPA: 8.00

Relevant Coursework: Data Structures & Algorithms, DBMS, Operating Systems, OOP

Technical Skills

AI/ML: TensorFlow, OpenCV, Pandas, NumPy
Programming: Python, C, C++, JavaScript, SQL
Backend: Node.js, Express.js, FastAPI, Spring Boot
Frontend: HTML, CSS, React.js, Next.js
Databases: PostgreSQL, MySQL
Tools: Git, GitHub, VS Code, Streamlit, Cloud Deployment
Coding Profiles: [Hive](#), [LeetCode](#), [CodeChef](#)
Interests: Generative AI, Conversational Search, AI Agents

Projects

VeriHire — Professional Networking Platform (In Progress)

Jul 2025 – Present

AI-augmented platform validating identities and skills to curb fraudulent profiles.

- **Optimized** PostgreSQL queries and indexing, improving API response time by **25%**.
- **Implemented** secure authentication with OAuth2, JWT, OTP, and Aadhaar/PAN checks; onboarded **100+** pilot users.
- **Engineered** AI verification module cross-checking GitHub and certificate updates (RAG-style evidence).
- Projected **70% reduction** in spoofed accounts based on internal tests.

Deepfake Video Detection

Jun 2025

ML system to flag manipulated images/videos with real-time inference.

- **Trained** Xception (TensorFlow) on **20k+ frames**, achieving **91% ROC-AUC** on held-out validation clips.
- **Deployed** inference via **Streamlit UI** and **FastAPI REST** (Swagger) with **CI/CD pipeline integration**.
- **Reduced** false positives by **15%** through Youden's J thresholding and OpenCV preprocessing.
- **Repo:** github.com/pranayreddy-08/deepfake.detection

Personal Portfolio Website

Jun 2025

Responsive site to showcase projects and attract recruiter traffic.

- **Achieved 100%** Lighthouse accessibility score; responsive **HTML/CSS/React** layout tested across devices.
- **Improved** load times by **30%** through image/asset optimization, enhancing user experience.
- **Attracted 200+** unique visits in the first month after cloud deployment.
Live: pranay3214.netlify.app

Experience

Virtual Internship Program — JPMorgan Chase & Co. (Forage)

Jul 2025 – Present

- **Processed 10k+ msgs/sec** of simulated market data using **Kafka + Spring Boot** in distributed pipelines.
- **Reduced** tail latency by **20%** through backpressure handling and batching strategies.
- **Applied** microservices and event-driven design principles with observability for monitoring and debugging.
- **Followed** Agile workflows and best practices for collaborative development.

Leadership & Activities

- Ranked in the top **15%** of Smart Interviews coding contests among **100+** peers.
- Solved **300+** DSA problems across **LeetCode, Hive, and CodeChef**; maintained coding streaks to improve consistency.
- Focused on mastering arrays, dynamic programming, and graph algorithms across competitive platforms.
- Showcased AI prototypes at GRIET hackathons to audiences of **50+** students and faculty.
- Collaborated on **5+** team projects covering backend APIs, deployment, and AI prototyping.