Edmala Pranay Reddy

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Summary

AI + Full-Stack Developer skilled in **Python, JavaScript, SQL, TensorFlow, React.js, Node.js, Express.js, and MongoDB**. Delivered projects in ML, web apps, and cloud deployment, including a **deepfake detector (91% ROC–AUC)** and a quiz app with **150+ user sessions**. Ranked top 15% in Smart Interviews contests with **300+ DSA problems** solved across Hive, LeetCode, and CodeChef.

Education

B.Tech, Computer Science & Engineering — GRIET, Hyderabad   *2023 – 2027 (Expected)*
CGPA: 8.00
Relevant Coursework: Data Structures & Algorithms, DBMS, Operating Systems, OOP, Computer Networks

Technical Skills

AI/ML: TensorFlow, OpenCV, Pandas, NumPy
Programming: Python, C, C++, JavaScript
Backend: Node.js, Express.js, FastAPI
Frontend: HTML, CSS, React.js
Databases: MongoDB, PostgreSQL
Tools: Git, GitHub, VS Code, Netlify, Streamlit
Coding Profiles: Hive, LeetCode, CodeChef

Projects

Quiz App — Interactive Web Application   *Sep 2025*
Full-stack quiz platform with real-time score tracking and responsive UI.
- **Developed** using **React.js, Node.js, and Express**, supporting **10+ quizzes** with instant scoring.
- **Integrated** REST APIs and optimized state handling, reducing latency by **30%**.
- **Enhanced** user experience with score history, retry options, and mobile-first design tested across **5+ devices**.
- **Deployed** via **Netlify**, achieving **150+ sessions** in the first week.
  Repo: github.com/pranayreddy-08/Quiz-App — **Live:** quizapp3214.netlify.app

Deepfake Video Detection   *Jun 2025*
ML system to detect manipulated images/videos with real-time inference.
- **Trained** Xception (TensorFlow) on **20k+ frames**, reaching **91% ROC–AUC** on unseen validation clips.
- **Deployed** inference via **Streamlit UI** and **FastAPI REST** with CI/CD integration.
- **Reduced** false positives by **15%** using threshold calibration (Youden's J) 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** a perfect **100%** Lighthouse accessibility score; tested across multiple devices.
- **Optimized** assets and media, cutting load times by **30%** and improving navigation flow.
- **Drew 200+ unique visitors** within the first month after 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 batching and backpressure strategies.
- **Applied** microservices and event-driven architecture with observability for monitoring/debugging.
- **Followed** Agile workflows and collaborated with peers to simulate production-grade pipelines.

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 consistent streaks.
- Practiced advanced DSA topics including arrays, dynamic programming, and graph algorithms.
- Showcased AI prototypes at GRIET hackathons to audiences of **50+**; collaborated on **5+** team projects.