

Chokkapu Saketh

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Professional Summary

Machine Learning and Full Stack Developer skilled in Python, React.js, and AI-driven web architectures. Experience in developing end-to-end AI systems, recommendation engines, and quantum-secure applications. Proven track record in hackathons, specializing in building scalable solutions with responsive user interfaces.

Education

B.Tech in Artificial Intelligence and Data Science 2027
SRKR Engineering College, Bhimavaram
Relevant Coursework: Artificial Intelligence, Data Science, Machine Learning, Deep Learning

Professional Experience

Frontend Developer | Team Ekalavya Mar 2025
Amaravati Quantum Valley Hackathon

- Awarded **3rd Prize** for developing a Quantum-Secure E-Auction System.
- Developed the user interface using React.js with Vite and TailwindCSS for real-time bidding.
- Integrated frontend with backend services using Node.js, Express.js, and MongoDB.
- Applied quantum-grade encryption using Quantum Key Distribution (BB84 Protocol).

Technical Projects

AI Assessment Platform — Hackathon Winner Jun 2025

- Awarded **1st Prize** for building an AI-powered platform for skill assessment and personalized growth.
- Engineered an automated assessment engine that generates dynamic skill roadmaps based on user performance.
- Developed a mentor-matching algorithm to assign experts based on specific identified skill gaps.
- Integrated a verifiable certification system to provide users with valid credentials upon skill mastery.

QMail — Quantum-Secure Email Client — Hackathon Winner Jan 2025 – Present

- Developed a secure desktop client using Electron.js, Node.js, and Express.
- Implemented multi-level security featuring Quantum-Aided AES and Kyber PQC.
- Integrated IBM Cloud for QKD simulation and proof-of-concept demonstration.

CIVIC-APP — Civic Issue Reporting System Jan 2025 – Present

- Architected a unified system with mobile and web portals for citizen issue resolution.
- Designed a recommendation system utilizing heat maps to prioritize issues for resolution.
- Built an ML model for automated department classification and technician assignment.

Technical Skills

- Programming:** Python, Java, C, JavaScript
- Frontend:** React.js, Vite, TailwindCSS, HTML5, CSS3, Electron.js
- Backend:** Node.js, Express.js, Flask, FastAPI, RESTful APIs
- Databases:** MongoDB, Neo4j, Microsoft SQL Server, PostgreSQL, Supabase
- Machine Learning:** Scikit-learn, LightFM, TF-IDF, Cosine Similarity, NLP
- Quantum Computing:** IBM Qiskit, Quantum Key Distribution (BB84, Kyber)
- Tools:** Git, Linux, Jupyter Notebook, VS Code, Postman