Atchiyya Naidu Karri

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Education

RGUKT Srikakulam, Andhra Pradesh **Expected Graduation – May 2026**
B.Tech in Electronics and Communication Engineering | **CGPA: 8.01/10**

RGUKT Srikakulam, Andhra Pradesh **January 2021 – September 2022**
Pre-University Course (MPC) | **CGPA: 9.13/10**

Skills Summary

Languages	Python, C++,JAVA
Frontend	HTML5, CSS3, Bootstrap, Tailwind,JavaScript, React Js
Backend	Express.js, REST APIs, SQL, MongoDB, JWT authentication
Tools & SDLC	Git, CI/CD basics, Deployment (Render, Vercel)
AI/ML	PyTorch, scikit-learn, Hugging Face, Avalanche

Experience

Full Stack Developer – Have Life Technologies, Visakhapatnam February 2026 – Present

- Architected and delivered **5+ production-grade full-stack applications** using **MERN, Java (Spring Boot), and Angular**, serving **1K+ users**.
- Engineered and optimized **25+ RESTful APIs**, reducing backend latency by **30%** through indexing, caching, and efficient data modeling.
- Designed high-performance **SPAs** with scalable state management, improving frontend load time by **40%**.
- Integrated **MongoDB and SQL databases**, ensuring data integrity and high availability under concurrent workloads.
- Automated **CI/CD pipelines in Azure DevOps** and leveraged **AI-assisted tools (Copilot, Windsurf)**, accelerating release cycles by **50%**.

Project Developer Intern – IIT ISM, Dhanbad August 2025 – January 2026

- Designed and deployed **end-to-end ML pipelines** in Python for preprocessing, training, evaluation, and experimentation.
- Benchmarked models across **3+ datasets**, ensuring robustness under varying data distributions.
- Improved model accuracy to **90%** through hyperparameter tuning and workflow optimization.
- Enhanced system performance by **15–20%** via efficient data processing and feature engineering.
- Collaborated with research stakeholders to deliver **scalable, production-ready ML solutions**.
- Optimized training workflows using **vectorized operations, efficient data pipelines, and parallel processing**, reducing experimentation time by **30%**.

Projects

Storely – Full Stack E-Commerce Platform / *MERN Stack, JWT, REST APIs* Storely

- Built a **scalable MERN e-commerce platform** with **JWT auth and RBAC** supporting **1K+ products**.
- Developed **20+ REST APIs** (Node.js, Express, MongoDB), reducing latency by **35%**.
- Created a **performance-optimized React UI** with modular architecture and centralized state.

PCB Inspection Automation & Analytics Platform / *YOLOv8 , Streamlit , Python* GitHub Repository

- Developed a real-time **PCB component detection system** using **YOLOv8** with multi-source inference (image, video, webcam) via **Streamlit**.
- Built an interactive **analytics dashboard** for automated component counting and inspection reporting across PCB datasets.
- Reduced manual inspection time by **80%** by optimizing the CV pipeline with **OpenCV**, achieving **<100 ms** inference latency.

Leadership & Achievements

- Organized the DigMin International Conference, managing logistics, volunteers, and schedules for 100+ attendees, ensuring smooth execution.
- **Smart Automatic Bin Changer** — Engineered an IoT-enabled waste segregation system separating metal, non-metal, and liquid wastes; won **1st Prize** and **Most Liked Project** among 50+ campus teams; achieved sorting accuracy **>90%**.
- Awarded **2 Silver NPTEL Certificates** in Electronics and IoT-related courses, demonstrating strong self-learning and technical proficiency.