Yalla Naga Praveen

Phone: 8328377820 | Email: yallanagapraveenchowdary1@gmail.com | Location: Guntur, Andhra Pradesh, India

Objective

Aspiring software engineer passionate about scalable systems and impactful technology. Final-year Computer Science student with hands-on experience in software development, data analysis, and smart grid simulations. Seeking to contribute to world-class digital platforms like Steam with robust engineering solutions and creative problem-solving.

Education

B.Tech in Computer Science and Engineering

NRI Institute of Technology, Guntur | Expected: May 2025 | CGPA: 7.8/10

Technical Skills

- Languages: Python, Java, C

- Software Engineering: OOP, data structures & algorithms, full-stack concepts

- Tools & Frameworks: Pandas, Matplotlib, Git, Visual Studio Code

- Systems Knowledge: Distributed computing basics, smart grid simulation

- Data & Reporting: Python analytics, Excel dashboards

- Platforms: Windows, Linux

- Soft Skills: Communication, problem-solving, adaptability, collaboration

Projects

Solar Energy Data Analysis System

- Engineered a performance monitoring system for solar panels using Python.

- Processed large datasets with Pandas to detect inefficiencies and suggest optimizations.

- Designed real-time reporting with visualization tools to aid decision-making.

Smart Grid System Simulation

- Simulated a distributed smart grid integrating renewable sources and demand balancing.

- Implemented basic ML logic to manage dynamic loads in the simulation.

- Applied concepts from network protocols and energy systems.

Yalla Naga Praveen

Phone: 8328377820 | Email: yallanagapraveenchowdary1@gmail.com | Location: Guntur, Andhra Pradesh, India

Internship Experience

Software Intern (Virtual) - XYZ Tech Solutions

Date TBD

- Developed scripts to automate data analysis of solar systems.

- Simulated data pipelines to emulate high-throughput data from IoT sensors.

- Presented insights to teams to optimize rural deployment of digital solutions.

Achievements

- Recognized in inter-college programming contests for algorithmic problem solving.

- Active participant in hackathons with a focus on sustainable tech and efficiency.

- Led awareness campaigns for energy sustainability at NRI Institute.

Extracurricular Activities

- Member, Tech Club - Participated in software workshops and collaborative coding sessions.

- NSS Volunteer - Advocated tech-for-good and environmental practices.

- Team Sports - Cricket and football; developed strong team coordination skills.

Personal Qualities

- Fast learner, self-motivated and intellectually curious.

- Passionate about contributing to impactful technologies and scalable platforms.

- Strong communicator, both technically and interpersonally.

Project: Arsenal AI - Advanced AI Assistant Platform
- Developed a production-grade AI assistant inspired by Grok and ChatGPT.
- Implemented features like real-time web search, context-aware chat, conversation history, and export op
- Built using React 18, TypeScript, Tailwind CSS, Supabase, and Framer Motion.

Project: ChartAI - Secure Anonymous Communication Platform
- Created a Discord-inspired secure messaging and voice chat platform with AI integration.
- Focused on anonymity, encrypted communications, and privacy-first architecture.
- Integrated OpenAI, Claude, Gemini, and Cohere for AI features including speech-to-text and text-to-spec

Certification: Data Analytics Internship - ExcelR Edtech Pvt. Ltd.
- Completed a 6-week internship on Data Analytics under APSCHE and ExcelR Edtech Pvt. Ltd.
- Gained practical knowledge in data analytics methodologies and tools.
- Certificate No: EXCELR-75413 | Date: July 20, 2024