

NAGA PRAVEEN YALLA

Data Analyst / Data Analysis / Big Data Analytics

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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. Eager to contribute to world-class digital platforms like Steam through robust engineering solutions and creative problem-solving.

PROFESSIONAL SUMMARY:

- Data Analytics Internship – ExcelR Edtech Pvt. Ltd. (July 20, 2024).
- Worked as technician in Gmee Solar Industries.
- Strong foundation in OOP, Data Structures & Algorithms, and Full-Stack Development concepts.
- Proficient in Python, Java, C; experienced with tools like Pandas, Matplotlib, Git.
- Knowledge of Distributed Computing, Smart Grid Simulation, and Data Analytics.
- Effective communicator with leadership and collaborative team skills.
- Flexible to work in all Time Zones.

CERTIFICATIONS:

- Data Analytics Internship – ExcelR Edtech Pvt. Ltd. (July 20, 2024).
- Completed 6-week internship on data analytics tools and methodologies.
- Certificate No: EXCELR-75413.
- Tata Group – Data Visualisation: Empowering Business with Effective insights Job Simulation.
- Certificate ID : f3NKx4ApfeA7oruYv

TECHNICAL SKILLS:

Languages	Python, Java, C
Frameworks/Tools	Pandas, Matplotlib, Git, Visual Studio Code
Concepts	OOPS, DSA, Distributed Computing, Full Stack
Platforms	Windows, Linux
Soft Skills	Problem-solving, Communication, Adaptability, Collaboration
Operating Systems	Windows, Linux
General	MS Office, Excel, Data Analysis

PROFESSIONAL EXPERIENCE:

Software Intern

Responsibilities:

- Created data automation scripts and simulated IoT data pipelines.
- Delivered actionable insights to optimize solar energy deployments.
- Developed and tested Python-based tools for real-time data processing and visualization.
- Wrote unit tests and documentation to improve code maintainability and onboarding.
- Analyzed sensor data to detect anomalies and forecast solar panel efficiency.

PROJECTS:

Project: Arsenal AI – Advanced AI Assistant Platform

- Developed a production-grade AI assistant inspired by Grok and ChatGPT.
- Real-time web search, context-aware chat, conversation history, and export options.
- Built using React 18, TypeScript, Tailwind CSS, Supabase, Framer Motion

Project: ChartAI – Secure Anonymous Communication Platform.

- Created a Discord-inspired secure messaging and voice chat platform.
- Emphasized privacy, encryption, and AI integration (OpenAI, Claude, Gemini, Cohere).
- Included features like speech-to-text and text-to-speech.

Project: Solar Energy Data Analysis System.

- Built a performance monitoring system using Python and Pandas.
- Analyzed solar panel data for inefficiencies and optimizations.
- Real-time dashboards using visualization tools.

Project: Smart Grid System Simulation.

- Simulated distributed smart grid with renewable sources.
- Integrated ML logic to manage dynamic loads and optimize distribution.
- Applied knowledge of energy systems and network protocols.

ACHIEVEMENTS:

- Awarded in inter-college programming contests.
- Participated in sustainable-tech focused hackathons.
- Led awareness initiatives on energy sustainability.

EXTRACURRICULAR ACTIVITIES:

- Tech Club Member: Involved in workshops and team coding sessions.
- NSS Volunteer: Promoted tech-for-good and environmental responsibility.
- Sports: Cricket & Football – developed teamwork and leadership.

EDUCATIONAL QUALIFICATION:

B.Tech (CSE at NRI Institute Of Technology, Guntur - JNTU) - 2025

PERSONAL DETAILS:

Correspondence	Guntur, Andhra Pradesh, India.
Phone	8328377820
Date of Birth	06/12/2003
Marital Status	Single
Languages known	English, Hindi, and Telugu
E-mail	yallanagapraveenchowdary1@gmail.com

DECLARATION:

I hereby declare that all the information furnished above is true to the best of my knowledge and belief.

Date:

(Naga Praveen Yalla)