

# 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.

# PROESSIONAL 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:

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| **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 |

**PROESSIONAL 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:

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|  | **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](mailto: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)**