

# Yalla Naga Praveen

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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. 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.

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## 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.