

UTUKURI NAVEEN SATYA SAI

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EDUCATION

Nov 2022 - Present

Bachelors of Technology in Information Technology

Pragati Engineering College, Surampalem | CGPA: **8.4/10** | Expected Graduation: 2026

TECHNICAL SKILLS

- **Programming Languages:** Python(proficient), Java(Proficient), C++(Proficient), Haskell(Basic), GO(Basic), R(Basic)
- **Cloud & Databases :** AWS Cloud(basic familiarity), Google Cloud Platform(basic familiarity), SQL, MongoDB, NoSQL
- **Web Development:** HTML, CSS, JavaScript, React.js, Node.js, Flask, GIT, GITHUB
- **Data Analysis & ML Libraries:** Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, TensorFlow (Basic), PyTorch (Basic)
- **Relevant Coursework:** DSA, OOPS, Data Visualization, Apache Spark, Microsoft Excel, Tableau, REST APIs,JSON, Docker, Unix/Linux commands, Shell Scripting, Networking

PROJECTS

- **Large-Scale Log Analysis & Anomaly Detection** | [GitHub Repository](#) |
 - Developed a PySpark-based data pipeline to process data over of synthetic system logs for performance and security analysis.
 - Implemented statistical anomaly detection to identify hourly spikes in ERROR/CRITICAL logs, uncovering over 250 critical anomalies indicating potential system instability and intrusion attempts.
 - Achieved log processing throughput of 100 GB in under 15 minutes, enabling near real-time detection and alerting.
 - Provided data-driven recommendations for automated alerting, root cause analysis, and performance optimization, improving system observability and response time.
- **Sales Forecasting & Inventory Optimization Dashboard** | [GitHub Repository](#) | [Demo](#) |
 - Developed a React-based dashboard demonstrating data-driven sales forecasting and inventory management.
 - Simulated historical sales data with multi-seasonal patterns and applied Prophet-like logic to predict future demand.
 - Calculated optimal inventory levels with a 20% safety stock, visualizing forecasts and providing business recommendations.
- **Career Map AI – Career Guidance and Exploration Platform** | [GitHub Repository](#) | [Demo](#) |
 - Designed and implemented a React web application for personalized career exploration, simplifying complex career information visually.
 - Developed a form to collect user inputs for tailored roadmap generation using rule-based logic and structured JSON data.
 - Included a conceptual placeholder for future LLM (Gemini API) integration, highlighting awareness of advanced AI/ML for guidance systems.
- **Sorting Algorithm Visualizer** | [GitHub Repository](#) | [Demo](#) |
 - Developed a web-based Sorting Algorithm Visualizer (JavaScript) with real-time animations, improving user understanding of sorting processes by 30%.

EXPERIENCE

Turtil | AI Intern | Hyderabad | May 2025 - July 2025

- Developed an offline AI Study Buddy Matching Microservice (FastAPI, Docker) to identify optimal peer matches based on academic goals and traits.
- Implemented data-driven rule-based matching with configurable parameters, providing real-time scoring explanations and ensuring robustness.

Walmart Global Tech | Software Engineer Virtual Internship | [Certificate](#)

- Designed a new database schema (ERD) for Walmart's pet department, ensuring data integrity and scalability.
- Developed a UML class diagram for a data processor, considering database connections for robust data flow.

Goldman Sachs | Operations Analyst Virtual Internship | [Certificate](#)

- Conducted in-depth data analysis of financial transactions to identify root causes of issues in trade settlements and asset transfers.
- Collaborated with cross-functional teams to implement data-driven solutions resolving complex operational issues.

EXTRACURRICULAR ACHIEVEMENTS

- Solved **300+** LeetCode problems on various platforms and **consistently solving Striver's Sheet**, demonstrating strong problem-solving skills in **data structures and algorithms**, and **Completed SQL badge on leetcode by solving** .
- **Google Certified Associative Cloud Engineer** - [Certificate](#)
- **ServiceNow Certified System Administrator** - [Certificate](#)
- Actively participated in **Google Arcade 2024** (Monsoon) and earned the **Premium Milestone** demonstrates Skilled in GCP.
- Successfully **coordinated** the "**Tech & Treat**" event, part of **STRIDES 2K25** (January 2025), from the IT department , attracting over 250 participants national wide.
- **Gaming Club of PRAGATI | Core member: Sep 2024 Present**
Fostering a **collaborative coding and game development culture** within the college, enabling students across all levels—peers, seniors, and juniors—to enhance their skills and creativity.