# SATYA SAI AJAY VALAVALA

Aspiring Product Manager | Full Stack Developer | AI & Cloud Enthusiast

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Palakollu

STRENGTHS

Quick Learner
Adaptable and eager to grasp new technologies, frameworks, and development practices

Problem Solver
Enjoys logical thinking, debugging, and building scalable solutions for real-world use cases

Team Player
Demonstrated strong collaboration skills in group projects, hackathons, and workshop settings to achieve shared goals.

Continuous Learner
Proactively pursue certifications, workshops, and self-paced learning to continuously enhance technical skills.

SKILLS

AWS, DevOps, HTML, CSS, Java Script, Python, Machine Learning, Agile methodologies (Scrum, Kanban)

LANGUAGES

Telugu	Native	●●●●●
English	Advanced	●●●○○

VOLUNTEERING

Executive Body Member
Srkr iste

📅 02/2025 - 02/2025   📍 Bhimavaram

- Organized and led a technical event for **50+ students**, ensuring smooth execution and f**ull participation.**
- **Implemented collaborative activities** that boosted **student engagement** and **problem-solving confidence**.
- Facilitated **hands-on workshops** that **strengthened communication**, and **teamwork** among participants.

SUMMARY

Aspiring **Product Manager** with expertise in **full stack development**, **cloud platforms**, and **machine learning**. Skilled in **Python, React, Node.js, and PostgreSQL**, with certifications from **Google Cloud** and **Cisco**. Experienced in building **responsive web apps**, conducting **user research**, designing **wireframes**, and collaborating in **agile teams** to deliver impactful, **user-focused product solutions**.

EDUCATION

B.Tech
B.Tech in Computer Science, SRKR Engineering College

📅 10/2022 - Present   📍 Bhimavaram

- SRKR Engineering College, Bhimavaram
- First Class with Distinction

EXPERIENCE

Machine Learning Intern
IIDT   📅 06/2024 - 08/2024   📍 Tirupati, India

Company Description

- Boosted model accuracy by **15%** through advanced feature engineering and algorithm tuning using Python, Pandas, and scikit-learn
- Processed and analyzed **100,000+ data entries** to extract predictive patterns, enabling more accurate price estimations and improved business insights

Smart India Hackathon 2024
Housing.com   📅 09/2024 - 09/2024   📍 Bhimavaram, India

Company Description

- Developed and deployed a **responsive booking platform** across major Andhra Pradesh cities using HTML, CSS, and JavaScript, **enhancing user accessibility by 40%**.
- Introduced an **automated booking ID generation system** that **reduced reservation errors by 25%** and streamlined room assignments, strengthening user trust.
- Conducted **user research** to prioritize booking features and improve platform usability.

PROJECTS

Diamond price prediction
📅 06/2024 - 08/2024   📍 Bhimavaram

Built a regression model using Python and scikit-learn to predict diamond prices, improving accuracy by 15% through feature selection and tuning.

- Boosted prediction accuracy by 15% through advanced regression techniques and feature engineering.

City-Wise Room Booking System (Housing Project)
📅 03/2025   📍 Bhimavaram

- Designed and developed a **responsive web application** to book rooms across multiple cities, improving booking usability and accessibility.
- Created **user flows and wireframes** to refine UI/UX, enabling smooth navigation and future backend/cloud integration.
- Incorporated **real-world user scenarios** into design thinking, resulting in a **30% increase in feature adoption** during prototype testing.