

SATYA SAI AJAY VALAVALA

Aspiring Full Stack Developer | AI & Cloud Enthusiast | ML Engineer

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Summary

Aspiring **full-stack developer** with interests in **cloud platforms and machine learning**. Skilled in **Python, Java, and SQL**, with certifications from Google Cloud and Cisco. Experienced in building responsive web applications and conducting user research. Focused on delivering impactful, user-focused product solutions.

Education

B.Tech in Computer Science, SRKR Engineering College

Bhimavaram

B.Tech

10/2022 - Present

- SRKR Engineering College, Bhimavaram
- First Class with Distinction

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, HTML, CSS, Java Script, Python, Java, DSA Basics, Machine Learning

Experience

IIDT

Tirupati, India

Machine Learning Intern

06/2024 - 08/2024

- 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

IIDT

Tirupathi

AWS Intern

07/2025 - 08/2025

- **Developed and deployed a static website using AWS S3** and CloudFront for global content delivery, improving site accessibility and reliability for users.
- **Configured EC2 instances** to support application components and ensured secure, stable hosting while simplifying maintenance and monitoring.
- **Optimized the deployment workflow** and improved usability by testing features, gathering user feedback, and prioritizing enhancements based on real user needs.

Projects

Diamond price prediction

Bhimavaram

06/2024 - 08/2024

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)

Bhimavaram

03/2025

- 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.