Samarth Prashant Patil

Pune, Maharashtra, India
samarth.patil3101@gmail.com — +91 8766794922
LinkedIn — GitHub

Professional Summary

A passionate and driven Computer Science undergraduate specializing in Artificial Intelligence, Machine Learning, and Robotics. With hands-on experience in Python programming, MERN stack development, and cloud technologies, I am eager to leverage data-driven solutions and AI to solve real-world challenges. I have demonstrated leadership and problem-solving skills as the Vice President of the ACM Student Chapter, where I manage cross-functional teams to execute innovative projects.

Education

Bachelor of Technology (B.Tech) in Computer Science and Engineering (AIML)
PCET's Pimpri Chinchwad University, Pune, Maharashtra
Expected Graduation: 08/2027
Relevant Coursework: Data Structures, Machine Learning, Deep Learning, Robotics, Artificial Intelligence, Cloud Computing

Higher Secondary Certificate (HSC)
Deogiri College, Aurangabad, Maharashtra
Graduated: 06/2023

Secondary School Certificate (SSC)
Anant Bhalerao Vidya Mandir, Aurangabad, Maharashtra
Graduated: 06/2021

Experience

Cultural Committee Head
PCET's Pimpri Chinchwad University, Pune, Maharashtra
08/2023 - 09/2024

- Led a team of 15+ members in organizing and promoting cultural events, resulting in a 30% increase in participation from students.
- Coordinated logistics, budgeting, and managed all event details, ensuring smooth execution within budget constraints.
- Enhanced campus engagement by organizing talent shows, cultural festivals, and workshops, contributing to an inclusive and vibrant university atmosphere.

Team Leader, SMART INDIA HACKATHON
Pune, Maharashtra
08/2023 - 11/2023

- Led a cross-functional team of 8 in developing an AI-driven solution to predict optimal water well locations for agricultural use, improving water resource allocation for farmers.
- Utilized Python, Scikit-learn, and AWS for model development and cloud deployment, reducing project development time by 20%.
- Enhanced team productivity by 25% through effective task delegation, progress tracking, and weekly skill-sharing sessions.

Skills

Programming Languages: Python, C, C++, JavaScript, HTML/CSS
Technologies/Frameworks: MERN Stack (MongoDB, Express.js, React, Node.js), TensorFlow, Scikit-learn, AWS, Git, Docker
Tools/Software: Jupyter Notebook, VS Code, MATLAB, Anaconda, Tableau
Methodologies: Agile, Scrum, Test-Driven Development (TDD), Object-Oriented Programming (OOP)
Areas of Expertise: Machine Learning, Deep Learning, Data Science, AI, Cloud Computing, Robotics, Web Development

Certifications

- Python, C, C++, OOP in Python and C++, AWS Cloud Foundation, AWS Cloud Architecture
- J.P. Morgan Software Engineering Job Simulation, Altair ML, Data Science and Deep Learning Master Professional
- Red Hat System Administration, Getting Started with AI (by deeplearning.ai)
- AWS Certified Solutions Architect – Associate (Expected, 2025)

Projects

WebVerse: A Full-Stack Web Application
GitHub: WebVerse
Technologies: MERN Stack (MongoDB, Express.js, React, Node.js), JavaScript, HTML, CSS
Description: Developed a platform that enables users to share and explore content in a virtual space. Features include user authentication, content creation, and real-time updates.

AI-Driven Water Well Location Prediction
GitHub: WaterWellPrediction
Technologies: Python, Scikit-learn, TensorFlow, AWS
Description: Created an AI-powered system to predict optimal water well locations based on geographical and environmental data, improving agricultural water usage efficiency by 15%.

Languages

- English (Fluent), Hindi (Fluent), Marathi (Native)

Links

LinkedIn Profile
GitHub Profile
Portfolio Link