

Samarth Patil

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Education

PCET's Pimpri Chinchwad University, *B.Tech, Computer Science Engineering*

Aug 2027
Pune, India

Specialization: Artificial Intelligence and Machine Learning

Coursework: Data Structures and Algorithms, Machine Learning, Deep Learning, Computer Networks, Database Management Systems, Operating Systems, Software Engineering, Web Development, Cloud Computing

Experience

ACM Student Chapter *Vice President*

Jan 2025 - Present

- Strengthened leadership abilities and fostered effective collaboration within teams of 50+ student members
- Applied advanced knowledge in software development, artificial intelligence, and cloud computing to organize technical workshops
- Successfully organized and led multiple workshops and events, increasing chapter participation by 40%

Technical Skills

Languages: Python, Java, JavaScript, TypeScript, SQL, HTML, CSS, GraphQL

Frameworks: React, Next.js, Flask, Django, Spring Boot, TensorFlow, Keras, scikit-learn, Pandas

DBMS & Tools: MySQL, PostgreSQL, MongoDB, Git, Docker, Kubernetes, AWS, Linux, Postman

Academic Projects

Official Website Development for ACM Chapter

[GitHub](#) — [Demo](#)

- Developed a high-performance ACM website using Next.js, React, and TypeScript, showcasing innovation and technology at PCU
- Integrated GSAP, Three.js, Parallax, and Framer Motion for visually stunning animations and seamless user experience
- Implemented GraphQL APIs and Tailwind CSS with a Glassmorphism UI design, ensuring fast, responsive, and scalable performance

SkillSwap - Peer-to-Peer Learning Platform

[GitHub](#)

- Led Team Spartan to Top 10 among 60+ teams in a university-level hackathon, building SkillSwap – a peer-to-peer skill exchange platform
- Designed the platform to allow users to offer and learn skills via a dynamic, user-friendly matching system using React and Node.js
- Managed project planning, technical implementation, and team collaboration across frontend, backend, and database components

GoGarage - REST APIs and Backend Development

[GitHub](#)

- Designed and developed a RESTful API backend with a modular project structure (src/, public/, images/) for scalability and maintainability
- Implemented core backend functionalities focusing on efficient API integration, security, and resource management using Node.js and Express
- Deployed the project to GitHub with full documentation and asset organization to support clean development practices

AutoDash - Dynamic Dashboard Generator

[GitHub](#)

- Developed a dynamic web app that generates dashboards from uploaded Excel files, providing real-time insights for data analysis
- Built the backend with Flask, Python, Pandas for data processing, and Plotly for interactive visualizations supporting 10+ chart types
- Designed a clean, user-friendly frontend using HTML, CSS, and integrated secure file upload functionality with data validation

Achievements

University Hackathon 2024 Achieved Top 10 ranking among 60+ teams in university-level competition

ACM Chapter Leadership 2025 Selected as Vice President of ACM Student Chapter.