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
AIML Frameworks: TensorFlow, PyTorch, scikit learn, NumPy, Pandas, SciPy, Matplotlib, Plotly, NLTK
Web Frameworks: React, Next.js, Flask, Django, Spring Boot
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

Zecure AI Powered Cybersecurity Guardian GitHub

- Developed a modular AI cybersecurity framework to detect and neutralize threats in real time using autonomous agents (PhisherHawk, TransactionSage, LeakSniper)
- Built full spectrum defense tools including a CLI scanner, Chrome extension, real time server monitoring, and a React + Globe.gl 3D threat dashboard
- Designed scalable architecture with Python, Node.js, Docker, gRPC, and HuggingFace models (BERT, GNNs, LLMs) for adaptive, self learning security

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.