

PATIL PALLAVI SURESH

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Career Objectives

Enthusiastic Computer Science and Engineering student with strong skills in C, C++, Java, and Python, and experience in web development. Skilled in technical problem-solving and project management. Looking to bring my programming abilities and analytical skills to a role where I can support impactful tech projects and continue learning in a fast-paced environment.

Academic Details

- **B.Tech in Computer Science Engineering**
Annasaheb Dange College of Engineering and Technology, Ashta
Shivaji University, Kolhapur
Year: 2025 — Percentage: 78.19%
- **HSC (Higher Secondary Certificate)**
Shri Ram And Junior College, Kuditre, Kolhapur
Maharashtra State Board
Year: 2021 — Percentage: 91.17%
- **SSC (Secondary School Certificate)**
New English School, Khupire
Maharashtra State Board
Year: 2019 — Percentage: 89%

Familiar Software Tools

- CodeBlocks: Formatting code
- Visual Studio: Code editor
- MySQL Workbench: Database management
- Microsoft PowerPoint, Word

Programming Languages

- C (Certified)
- C++ (Certified)
- Python (Professional Elective)
- Java (Certified)
- SQL (Certified)
- HTML
- CSS
- JavaScript

Strengths

- Leadership
- Problem Solving
- Adaptability
- Hard Work

Extra-Curricular Activities

- NPTEL Cloud Computing Certificate
- Certified in Cyber Security and Ethical Hacking

Projects:

Blood Boon Application

- Developed a web-based Blood Management Application with interfaces for donors, receivers, and blood banks.
- Designed forms to collect medical information of donors and receivers and manage blood bank details for efficient data handling.
- Implemented GPS-based functionality to locate and connect users with the nearest blood bank.
- Focused on streamlined data access and real-time location for improved user experience and accessibility.

Privacy-Preserving Approach for Machine Learning

- Implemented privacy-preserving ML models using homomorphic encryption, federated learning, and multi-party computation to protect sensitive data in the cloud.
- Conducted performance evaluations comparing encrypted and unencrypted data models, optimizing for privacy-accuracy trade-offs.
- Designed a secure cloud framework with Docker for scalable deployment of privacy-preserving algorithms.
- Enhanced data privacy by integrating advanced techniques like differential privacy in machine learning workflows.
- Collaborated on system performance analysis, identifying bottlenecks and improving the efficiency of secure data processing in distributed systems.