APOORV PANDEY
IT ENGINEER

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 https://github.com/Shih-vaa

ABOUT ME

Final year BTech student in Information Technology with strong programming skills in Java, C++, and Python, and a keen interest in web development. Hands-on experience building projects using HTML, CSS, JavaScript, and frameworks like React/Node.js. Passionate about creating efficient, user-friendly web solutions and eager to apply my technical knowledge in a dynamic internship or entry-level role. Quick learner, problem-solver, and team collaborator with a drive for continuous growth in full-stack development.

EDUCATION

2018 - 2019 St. Thomas School	**High School** • ICSE Board • 90.6%
2020 - 2021 St. Thomas School	**Intermediate** • ICSE Board • 89%
2022 - 2026 Puducherry Technological University	**B.Tech. in Information Technology (Honors)** • CGPA - 8.9

EXPERIENCE

[1 - Jan - 2025] – [31 - Jan - 2025] CodSoft Company	**CodSoft (Remote) – Web Development Intern Jan 2025 – Jan 2025** • Developed a portfolio, landing page and web based calculator using HTML, CSS, JavaScript, and React. • Gained hands-on experience in front-end development, API integration, or responsive design.

PROJECTS

IaaS Cloud Simulator (Python)
Technologies: Python, Tkinter, Matplotlib, Threading, OOP

Key Features:

Simulated cloud environment with auto-scaling, load balancing, and SLA monitoring.

GUI dashboard for real-time VM metrics (CPU, memory, cost).

Predictive scaling using linear regression on historical data.

Tiered SLA system (Basic/Standard/Premium) with violation compensation.

🔗 **[Project Repository] (https://github.com/Shih-vaa/IaaS-Simulation)**

Online Banking System

Technologies: Java 17, Spring Boot, Java Swing, JSP, MySQL, Apache HttpClient, REST, Maven

Developed a full-stack multi-module digital banking system with distinct client (Java Swing) and server (Spring Boot) components. The project includes features like secure user login, fund transfers, account summaries, transaction history, role-based access control, and audit logging.

• Client-side: Designed a responsive desktop application using Swing with HTTP-based communication to the backend.
• Server-side: Built RESTful APIs and a secure admin dashboard using Servlets, JSP, and Spring MVC.
• Database: Structured a normalized MySQL schema for users, accounts, transactions, roles, and logs.
• Employed BCrypt for password hashing, PreparedStatements for SQL injection protection, and HttpSession for authentication.
• Followed MVC architecture and layered design for maintainability and scalability.

🔗 **[Project Repository](https://github.com/Shih-vaa/online-banking)**

TECHNICAL SKILLS

• **Git and GitHub**	• **Database Connectivity**	• **Back-End**	• **Front-End**
• **Java,C++,Python**	• **JavaScript**	• **SEO Fundamentals**	• **Tailwind, Bootstrap**
• **MySQl**	• **Express.js, Node.js**	• **React.js**	

ACHIEVEMENTS AND CERTIFICATIONS

National Service Scheme (NSS) | Apr 2023 - Mar 2025
Served 2 years in community initiatives, enhancing leadership and event management skills.

Gold Medalist – Inter-School Dance Competition (St. Joseph's School, 2018)
Recognized for leadership, coordination, and creativity among 100+ students.

NxtWave CCBP 4.0 (Ongoing)
Full Stack Web Development – HTML, CSS, JS, React, Node.js, REST APIs