

Ananya Pawar

San Jose, CA | ananyapawar601@gmail.com | 929-253-8839 | portfolio-ananya-pawars-projects.vercel.app
linkedin.com/in/ananyapawar09 | github.com/ananyapawar601

Education

Pennsylvania State University, BS in Information Technology

May 2025

- GPA: 3.75/4.0
- **Coursework:** Distributed Systems, Data Structures and Algorithms, Database Management Systems, Computer Networking, System Design, Scalable Architecture

Work Experience

Software Engineer, IpserLabs – Remote

May 2025 - Current

- Designed and implemented **RESTful APIs** using **Spring Boot** and **JPA** for business and product management modules, enabling modular, scalable communication across microservices.
- Integrated **JWT authentication**, **role-based access control**, and **rate-limiting**, improving system security and protecting against unauthorized access
- **Architected** reusable service and controller layers following **SOLID** principles, reducing duplicated code across endpoints by 40%.
- Applied **robust validation**, **exception handling**, and access control to ensure secure, user-specific data access and graceful degradation of service.
- Improved backend response time by optimizing **SQL queries** and applying **async logic** in **JavaScript**, **reducing API latency by 30%**.
- Contributed to scalable architecture using **Dockerized** services and **CI/CD pipelines** for deployment.

IT Analyst Intern, Wolfgang Confectioners – York, PA

May 2024 – May 2025

- Designed and implemented integration using **RESTful APIs** and **Power Automate**, reducing manual project tracking time by 30% and improving leadership visibility.
- Developed **SmartSheet Workflows** to streamline form management, cutting processing time by 35% and reducing errors by 25%.
- Created **Power BI** dashboards providing actionable insights, increasing reporting efficiency by 40%.
- Created comprehensive **documentation** for business processes in Deacom ERP and other systems.

Projects

Employee Management System

2025

- Developed a full-stack airline employee management system using **Java 17**, **Spring Boot** (MVC, Security, JPA), and **MySQL** with secure role-based access (Admin/Manager), **session management**, and **BCrypt password hashing**.
- Implemented dynamic **CRUD** operations, advanced search filters, and robust form validation using **Thymeleaf** and **Bootstrap 5**, enhancing UX and data integrity across responsive layouts.

PayApp

2024

- Built a full-stack payments application using **Node.js**, **TypeScript**, **PostgreSQL** and **Prisma** for backend development.
- Developed a secure and responsive frontend using **React.js** styled with **Tailwind CSS**. Integrated **Docker** for containerized management, ensuring scalability. Delivered features, including secure user authentication and payment processing.

DocEasy

2024

- Designed and implemented a document management system with client-server architecture to streamline storage, retrieval, and organization. Enabled **CRUD** operations for document management through **RESTful APIs**.
- Developed a responsive web interface using **HTML**, **CSS**, and **JavaScript** for seamless access across devices.
- Managed document storage using a file system-based backend with **Node.js** and **Express.js**.

ChatApp

2023

- Developed a real-time chat application using **Java**, featuring **client-server architecture**, **multithreaded socket programming** for concurrent user support.
- Created an interactive interface with user authentication and private messaging for secure, personalized communication.

Technologies

Languages: Java, Python, C++, JavaScript, C#, SQL

Web Technologies: Spring Boot, HTML5, CSS3, ReactJS, Node.js, Express, Angular, REST API, GraphQL

Databases: MySQL, Oracle, PostgreSQL, MongoDB

Software/Tools: Git, Microservices, CI/CD, Unit Testing (TDD), JUnit, SDLC, Agile, Docker, Kubernetes, Visual Studio Code