

Adinath S Pawar

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Objective

Aspiring Software Developer with strong foundations in programming, problem-solving, and full-stack development. Skilled in multiple programming languages, databases, and frameworks with hands-on experience through academic and industrial projects. Seeking an opportunity to apply technical expertise to build scalable and impactful software solutions.

Educational Qualification

BE Computer Engineering (Pursuing)

MES Wadia COE, SPPU

Expected 2027

HSC (Science)

Nourusjee Wadia College, Maharashtra Board

Current SGPA: 8.86

2023

SSC

Nagarvala School, Maharashtra Board

80.33%

2021

91.80%

Technical Skills

Programming Languages: C, C++, Java, Python, JavaScript

Frontend Technologies: React.js, Next.js, HTML5, CSS3, JavaScript ES6, Tailwind CSS, Java Swing, Redux

Backend Technologies: Node.js, Express.js, Spring Boot, REST APIs, JWT Authentication, bcrypt.js

Database Connectivity: Oracle PL/SQL, MySQL, MS SQL Server, MongoDB (NoSQL), Mongoose, JDBC

Tools & Platforms: VS Code, IntelliJ IDEA, Postman, Git/GitHub, Apache Tomcat, Render

Operating Systems: Windows NT, Linux Distributions

Testing & Methodologies: Vitest, React Testing Library, Playwright (Unit/Integration/E2E), Agile

Technical Projects

1. DocuMate – AI-Powered Webpage Content Summarizer

Java Spring Boot, JavaScript, HTML, CSS, Chrome Extension APIs, Google Gemini API

- Developed Chrome extension to extract, summarize, and explain webpage content using Google Gemini AI API.
- Implemented custom side panel UI through Chrome Extension APIs displaying structured summaries, explanations, and reading suggestions.
- Gained experience in browser extension architecture, full-stack AI integration, and advanced language models.

2. Securix – Secure Real-Time Chat Application

MERN Stack: MongoDB, Express.js, React.js, Node.js, JWT, Tailwind CSS

- Built full-stack real-time chat application with JWT authentication, instant messaging, and MongoDB persistence.
- Designed RESTful APIs for user/message management; deployed on Render with responsive Tailwind CSS UI.
- Gained experience in full-stack architecture, WebSocket real-time systems, and JWT security implementation.

3. Customised Virtual File System (CVFS)

C Programming, OS Internals

- Implemented Linux-like filesystem with command-line shell supporting core operations: open, read, write, lseek, delete.
- Designed internal data structures including inode tables and file descriptors for complete file system simulation.
- Gained experience in operating system internals, file system architecture, and low-level C memory management.

4. Real-time Kanban Board – WebSocket Task Management System

React.js, Node.js, Express.js, Socket.IO, CSS Modules, Vitest, Playwright

- Built real-time collaborative Kanban board with drag-and-drop task management and instant multi-client synchronization using Socket.IO WebSocket events.
- Architected WebSocket event system (sync:tasks, task:create, task:update, task:move, task:delete) ensuring consistent state across concurrent users.
- Developed comprehensive test coverage with Vitest/React Testing Library for unit/integration tests and Playwright for E2E validation of real-time workflows.