

# 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

<b>BE Computer Engineering (Pursuing)</b>	Expected 2027
<i>MES Wadia COE, SPPU</i>	<i>Current SGPA: 8.86</i>
<b>HSC (Science)</b>	2023
<i>Nowrosjee Wadia College, Maharashtra Board</i>	<i>80.33%</i>
<b>SSC</b>	2021
<i>Nagarvala School, Maharashtra Board</i>	<i>91.80%</i>

## 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.