

# Aditya Sawant

## B.E. Computer Science

📍 Pune, India

🔗 [www.ars-portfolio.in/](http://www.ars-portfolio.in/) • 📩 [adisawant454@gmail.com](mailto:adisawant454@gmail.com) • 📞 9623822469

🔗 [github.com/adisawant2005](https://github.com/adisawant2005) • 🌐 [linkedin.com/in/AdityaSawant2005](https://linkedin.com/in/AdityaSawant2005)

🔗 [hackerrank.com/profile/adisawant454](https://hackerrank.com/profile/adisawant454) • 🌐 [codechef.com/users/aditya\\_sawant](https://codechef.com/users/aditya_sawant)

🔗 [leetcode.com/u/adisawant454](https://leetcode.com/u/adisawant454)



## Profile Summary

Final-year Computer Engineering undergraduate (GPA 8.53) with diverse experience in AI/ML, full-stack development, and cloud infrastructure. Currently serving as an AI/ML Software Developer Intern at Sun Fibo Technology, focusing on proprietary software security and AI application development. Proven track record of engineering complex solutions, including cross-language integrations (Python/C++), AWS cloud deployments, and LLM-powered backend architectures. Skilled in building scalable systems using the MERN stack, Qt framework, and Google GenAI SDK.

## Education

|     |   |                      |
|-----|---|----------------------|
| BE  | <b>JSPM's Imperial College of Engineering and Research, Pune</b>  | Sept 2022 – May 2026 |
|     | <ul style="list-style-type: none"><li>• Cumulative GPA: 8.53 (till Third Year)</li><li>• <b>Coursework:</b> Data Structures and Algorithms, Software Engineering, Computer Networks, Database Management Systems, Distributed Systems</li></ul> |                      |
| HSC | <b>P.M. Shri Kendriya Vidyalaya No. 1, AFS, Lohegaon, Pune</b>  | July 2021 – May 2022 |
|     | <ul style="list-style-type: none"><li>• Percentage: 86.8%</li><li>• <b>Coursework:</b> Physics, Chemistry, Mathematics, Biology</li></ul>   |                      |
| SSC | <b>P.M. Shri Kendriya Vidyalaya No. 1, AFS, Lohegaon, Pune</b>  | July 2019 – May 2020 |
|     | <ul style="list-style-type: none"><li>• Percentage: 81.4%</li><li>• Board: CBSE</li></ul>   |                      |

## Internships

|   |   |                          |
|---|---|--------------------------|
| <b>Sun Fibo Technology Pvt. Ltd.</b>            | AI/ML Software Developer - Intern   | Pune, India              |
|   | <ul style="list-style-type: none"><li>• Working as an AI/ML Software Developer Intern for a 6-month period.</li><li>• Developing software solutions and AI/ML applications while managing technical project documentation.</li><li>• Ensuring the security of sensitive firm assets, including patents, trademarks, and design documents.</li><li>• Adapting to firm-wide technical regulations and maintaining confidentiality of proprietary software packages.</li></ul> | January 2026 – June 2026 |
| <b>Automotive Research Association of India</b> | Software Developer Intern   | Pune, India              |
|   | <ul style="list-style-type: none"><li>• Automated data consolidation using a custom Python script to efficiently process and merge multiple Excel files, generating unified, clean datasets for project workflows.</li><li>• Automated data formatting and validation tasks using custom scripts, ensuring high data accuracy and overall operational efficiency.</li><li>• Engineered a robust, cross-platform desktop application using Qt C++ for the frame-</li></ul>   | May 2025 – Oct 2025      |

work and responsive user interface design.

- Implemented drag-and-drop functionality within the application to streamline the user workflow for inputting image files and managing batch processing easily.
- Integrated the Python C API within the Qt application to enable specialized bulk and curated Image Embossing functionalities, demonstrating complex cross-language development skills.
- Developed and integrated a custom License Manager within the application to manage software distribution and enforce usage restrictions.

#### **Alif Media House**, Website Development and Designing Intern

Pune, India  
Jan 2025 – Jan 2025

- Developed responsive web designs for real-world client projects with an emphasis on modern UI/UX design.
- Collaborated with cross-functional teams to deliver scalable web solutions.

#### **Techplement**, Cloud (AWS) Intern

Remote  
Sep 2024 – Oct 2024

- Built and deployed scalable backend applications using AWS Elastic Beanstalk, EC2, and RDS, leveraging MySQL for data management.
- Optimized distributed system performance by configuring auto-scaling on EC2 instances and monitoring with CloudWatch.
- Designed reusable services with clean code principles, enhancing application reliability and extensibility.
- Conducted performance tuning and impact analysis to improve system efficiency in large-scale environments.

## **Projects**

---

### **E-Book Marketplace**

 [adisawant2005/My-SecondYear-Project](#)

- Engineered a highly scalable E-Book Marketplace utilizing a flexible full-stack architecture built on Node.js, Express.js, and React.js.
- Implemented a polyglot database architecture by integrating PostgreSQL, MySQL, and MongoDB to ensure reliability and optimize data management within a distributed environment.
- Designed reusable and maintainable RESTful APIs to manage core e-commerce functionalities, including user authentication, secure file uploads, and book transactions.
- Designed reusable and maintainable RESTful APIs to manage core e-commerce functionalities, including user authentication, secure file uploads, and book transactions.
- Developed a robust state management layer on the front-end using React-Redux and @reduxjs/toolkit to efficiently handle complex application logic.
- Built a modern, responsive user interface leveraging Tailwind CSS and React Router for seamless navigation and an optimal cross-device experience.
- Demonstrated proficiency in full-stack development by delivering a complete, high-quality application with a strong emphasis on clean code architecture and system extensibility.

### **Multilingual Sentiment Analysis**

 [adisawant2005/Multilingual\\_Sentiment\\_Analysis](#)

- Engineered an LLM-Powered Backend using Node.js/Express and the Google GenAI SDK, specifically leveraging the Gemini 2.5 Flash model across all analysis, summarization, and translation endpoints.
- Implemented Structured Data Extraction using Gemini's JSON Schema configuration to strictly enforce output format, guaranteeing reliable and predictable data return for front-end consumption (e.g., multiSentimentSchema).

- Developed Advanced Prompt Engineering techniques, including few-shot examples and role-based personas (e.g., "proud Indian diplomat"), to ensure nuanced and high-quality sentiment classification on a 5-point scale (1-5).
- Optimized Data Handling by implementing custom CSV streaming/sampling logic and token estimation/size limits (e.g., estimateTokens, handleError) to prevent context window overruns and manage large datasets efficiently.
- Integrated Multilingual Capability through a dedicated translateText utility and endpoint logic, enabling the dynamic translation of analysis results (summaries and trends) into any specified language.

## Certificates

---

### Jenkins for Beginners

- KodeKloud

April 2025

### Golang

- KodeKloud

March 2025

### Complete Linux Course

- Udemy

July 2024

### React and Redux Course

- Complete Coding by Prashant Sir

May 2024

### Shell Scripts for Beginners

- KodeKloud

March 2025

### Introduction to Artificial Intelligence

- Infosys Springboard

September 2024

### Cloud Computing 101

- AWS

August 2024

## Skills

---

**Programming Languages:** Java, C/C++, C#, Python, Go, JavaScript, TypeScript

**Databases:** MySQL, MongoDB, PostgreSQL

**Cloud and DevOps:** AWS (Elastic Beanstalk, EC2, RDS, S3, Lambda, CloudWatch), Jenkins

**Web Development:** Node.js, React, Angular, Express, Tailwind CSS, HTML, CSS, SCSS, React Router DOM, Redux (@reduxjs/toolkit), Axios, Multer

**Soft Skills:** Excellent Verbal and Written Communication, Problem-Solving for Real-World Digital Challenges, Analytical Thinking, Strong Work Ethic and Eagerness to Learn, Teamwork, Clean and Maintainable Code Practices (focusing on scalability, performance, and best standards)

**Other Technologies:** OpenCV, Firebase, Git, GitHub, Shell Scripting, LaTeX