

Aditya Sawant

B.E. Computer Engineer

📍 Pune, India

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🔗 [hackerrank.com/profile/adisawant454](https://www.hackerrank.com/profile/adisawant454) • ↗ [codechef.com/users/aditya_sawant](https://www.codechef.com/users/aditya_sawant)

↗ leetcode.com/u/adisawant454/



Profile Summary

Motivated Computer Engineering student with hands-on experience in full-stack projects and AWS deployments. Skilled in backend development, DevOps, and modern web technologies through internships and certifications. Embrace failures as learning opportunities and thrive in solving real-world problems. Seeking to apply and grow my skills in a collaborative software development environment.

Education

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

Internships

Automotive Research Association of India , Software Developer Intern	Pune, India May 2025 – Nov 2025
<ul style="list-style-type: none">• Automated data consolidation using a custom Python script to efficiently process and merge multiple Excel files, generating unified, clean datasets for project workflows.• Automated data formatting and validation tasks using custom scripts, ensuring high data accuracy and overall operational efficiency.• Engineered a robust, cross-platform desktop application using Qt C++ for the framework 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

- 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.

Pune, India Jan 2025 – Feb 2025

Techplement, Cloud (AWS) Intern

- 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.

Chatrapati Sambhaji Nagar,
India Sep 2024 – Oct 2024

Projects

E-Book Marketplace

- 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.

[🔗 `github.com/adisawant2005/
My-SecondYear-Project`](https://github.com/adisawant2005/My-SecondYear-Project)**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.

[🔗 `github.com/adisawant2005/
Multilingual_Sentiment_
Analysis.git`](https://github.com/adisawant2005/Multilingual_Sentiment_Analysis.git)

Certificates

Jenkins for Beginners	April 2025
• KodeKloud	
Golang	March 2025
• KodeKloud	
Complete Linux Course	July 2024
• Udemy	
React and Redux Course	May 2024
• Complete Coding by Prashant Sir	
Shell Scripts for Beginners	March 2025
• KodeKloud	
Introduction to Artificial Intelligence	September 2024
• Infosys Springboard	
Cloud Computing 101	August 2024
• AWS	

Skills

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

Databases: MySQL, MongoDB, PostgreSQL

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

Web Development: Node.js, Express.js, React.js, Tailwind CSS, HTML/CSS, 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

Declaration

I hereby declare that the information provided above is true and correct to the best of my knowledge and belief.

Place: Pune

Date: November 25, 2025