

Avikumar

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Technical Skills

Programming Languages: Java, JavaScript, TypeScript

Web Technologies: React.js, Redux, Spring Boot, Spring MVC, HTML5, CSS3, Tailwind, Node.js*, Firebase, Docker*, Postman*

Database Management: MongoDB, MySQL, Redis

Development Tools: GitHub, Visual Studio, IntelliJ IDEA CE, Cisco Packet Tracer*

Operating Systems: Windows, macOS

*Elementary proficiency

Experience

Times Of India | Full Stack & AI/ML Developer Project Intern

April 2025 – June 2025

- Developed a feature-rich full-stack web application **ImageGuard** for secure **image management**, including **user authentication**, **watermarking**, and **intelligent detection** of unauthorized usage using **machine learning**.
- Designed and implemented a visually appealing dashboard with **real-time analytics**, allowing users to monitor uploads, apply image protections, and gain actionable insights on content activity.
- Having implemented scalable front-end and back-end services on **cloud platforms (Vercel and Railway)**, we ensured seamless API integration, robust security policies, and streamlined **CI/CD workflows** for high reliability and accessibility.

Zidio Development | Full Stack Developer Intern

May 2025 – Present

- Currently developing an **Excel Analytics Platform** utilizing the **MERN stack** (MongoDB, Express.js, React.js, Node.js) in a collaborative team environment.
- Implementing secure **JWT-based user authentication** system with separate admin and user roles for enhanced security and access control.
- Crafting a robust data visualization module using Chart.js and Three.js, enabling users to generate 10+ distinct interactive 2D/3D chart types directly from uploaded Excel spreadsheets.
- Engineering robust backend systems for **Excel file parsing** with SheetJS, enabling users to select X/Y axes dynamically from uploaded spreadsheets.

Education

Bennett University, Greater Noida

Aug 2022 – Present

- Bachelor of Technology in Computer Science and Engineering
- CGPA: 8.75/10.0

Projects

Youtube Clone

Mar 2025 – Apr 2025

- Engineered a streamlined YouTube clone with **React 19**, **Redux Toolkit** and **Tailwind CSS**, delivering **ad-free** viewing experience with a clean and **distraction-free interface**.
- implemented **real-time search suggestions** using a trie data structure, reducing user search time by 60% and increasing video views by 15% within the first month of implementation.
- Performance-optimized interface Styled with responsive UI, **shimmer loading states**, and **seamless navigation** between home, search results, and video playback pages.

Netflix-GPT

Jan 2025 – Mar 2025

- Integrated React.js frontend with **OpenAI's GPT API** to create Netflix-GPT, streamlining content recommendations and enhancing user experience, resulti
- Designed a secure React front-end with Tailwind CSS, implementing protected routes for enhanced data privacy and achieving a 99.9% uptime for authenticated user sessions.
- Leveraged **TMDB API integration** to obtain comprehensive movie data while optimizing application performance through **Redux Toolkit** state management.

Personal Portfolio Website

Nov 2024 – Dec 2024

- Established a responsive full-stack portfolio website utilizing **HTML5**, **CSS3**, **JavaScript**, and **Firebase** integration, showcasing professional achievements while implementing modern Interface principles.
- Optimized web application performance with custom animations, asynchronous data handling, and cross-device compatibility.
- Crafted an engaging digital presence that effectively highlights technical expertise and project accomplishments.

Journal Application

Dec 2024 – Feb 2025

- Programmed a scalable back end for a journal application using **Java** and **Spring Boot**, fortified with **JWT-based authentication**, supporting 1,000 concurrent users with sub-second API response times.
- Programmed a resilient data storage solution using **MongoDB Atlas**, enhancing data retrieval speeds by 60%, and implemented **Redis** caching, cutting API response times by 45% for over 1,000 concurrent users.
- Formulated industry best practices: version control through GitHub, code quality analysis using SonarCloud, and efficient project management.

Banking Application

Nov 2024 – Dec 2024

- Developed core banking website features with **Spring Boot** and **MySQL**, leading to a 30% decrease in fraudulent transaction attempts due to enhanced security protocols and real-time monitoring.
- Leveraged Postman to automate API testing, creating 30+ comprehensive test suites that reduced debugging time by 35% and improved API functionality for secure transactions.

Achievements

- Competitions:** Secured 2nd Rank in **EY CAFTA Case Championship Mega Edition 2024** (Round 1) and 4th rank in Final Round.
- Conference Publication:** Research paper "Student Style" accepted at **ICRAET-2024** on **06th Jun 2024** at **Munnar, India**.
- Innovation Recognition:** Awarded **two state-level and one national-level Science Exhibition awards** at **IIT-DELHI**, showcasing real-life problem-solving and technical expertise.
- Open Source:** Earned the **Pull Shark Badge** on GitHub for active open source contributions.
- Professional Certification:** Completed Introduction to Front-End Development and React Basics from **META**.
- Technical Training:** Successfully completed the Python Essentials 1 Course by **Cisco Networking Academy**.