

# AAYUSH MEHTA

FULL STACK DEVELOPER

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## PROFILE

As a dedicated and innovative software developer, my objective is to leverage my technical expertise, problem-solving skills, and passion for coding to contribute to cutting-edge projects. I aim to collaborate within a dynamic team, utilize my technical skills to create robust, and user-centric software solutions.

## EDUCATION

### KJ Somaiya College of Engineering

Oct 2022 - Present

#### BE in Computer Engineering

- **CGPA:** 8.35
- **Co-curricular:** Joint Tech Head of CSI-KJSCE
- **Relevant Courses:** Data Structures and Algorithms, Object Oriented Programming, Applied Maths I & II, Integral Transformation and Vector Calculus, Discrete Maths, Computer Networks, Operating System

## SKILLS

<b>Languages:</b>	Python, JavaScript, Java, SQL
<b>Frameworks:</b>	React, ExpressJs, NodeJs, React-Native, Flutter, TailwindCSS, MUI
<b>Database:</b>	MongoDB, Postgres, Firebase, Hasura, GraphQL,
<b>Soft Skills:</b>	Leadership, Teamwork and collaboration, Adaptability, Communication.
<b>Libraries:</b>	Numpy, Pandas, PyTorch, PyArrow, scikit-learn

## EXPERIENCE

### Tech Head | [\(Demo link\)](#)

July 2022 - Present

#### CSI-KJSCE

- Spearheaded the development and deployment of Eventio, an end-to-end event management platform designed for high usability and operational efficiency.
- Architected and built the website from the ground up, focusing on performance optimization and scalable infrastructure to support large user bases.
- Delivered continuous technical support and maintenance, ensuring minimal downtime and consistent platform reliability.
- Successfully enabled seamless event coordination, with hundreds of users leveraging the platform for smooth event execution.
- Digitized and automated the entire workflow for a national-level hackathon with over 5,000 registrations, including participant selection, event management, and real-time judging processes.

### Software Engineering Intern

February 2025-April 2025

#### Tusta

- Preprocessed and structured a full year's worth of Futures & Options (F&O) data to enable high-precision backtesting capabilities for algorithmic traders.
- Developed and integrated multiple broker APIs using Python, allowing users to place and manage live trades directly from the platform.
- Played a key role in building and optimizing the company's web platform using React for the frontend and Python for backend services.
- Collaborated across teams to ensure a scalable, secure, and intuitive trading experience, with a strong focus on performance and data integrity.

### Freelancer | [\(Demo link\)](#)

July 2022 – Oct 2024

#### Divine Solitaires

- Served as a Full Stack Developer, contributing expertise in crafting captivating digital experiences.
- Innovatively designed and executed a **landing page** for the company's ecommerce website, enhancing brand visibility and engagement.
- Contributed in the development of the brand's **mobile application** using **React Native**, delivering seamless user experiences across platforms.

## FULL STACK DEVELOPER

June 2024 – September 2024

#### Mergrr

Mergrr is an online dating app developed entirely by me, aimed for helping professionals find partners seeking long-term relationships.

- **Key Features:** User authentication, profile customization, swipe-based matching, real-time chat (included features like block, report).
  - **Target Audience:** Professionals looking for serious relationships and long-term commitments.
- Tech stack: Flutter and Firebase (for efficient real-time data synchronization)*

## FULL STACK DEVELOPER

May 2025- Present

#### RUDRA Cyber Security

- Built an automated document analysis pipeline using Python and asyncio to process and index over 1 million documents stored in Elasticsearch. The pipeline cleaned raw data, routed it through an AI agent for contextual analysis, and intelligently avoided redundant computation by checking pre-analyzed entries, significantly improving processing efficiency.
- Contributed to the development of multiple full-stack features as part of an 8-member engineering team, spanning authentication, backend automation, and data workflows; played a key role in implementing secure MFA, optimizing backend pipelines, and improving system reliability and scalability across services.

*Tech stack: Elasticsearch, Python, Fastapi, Nextjs, Hasura, GraphQL*

## PROJECTS

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### Datathon '25 (Hacakathon Finalists)

- Collaborate with a team of 3 to predict optimal stock levels for each warehouse or retail outlet based on pricing trends and local purchasing power
- Identified top-selling and high-demand items with dynamic forecasting
- Forecasted shop-wise future sales to recommend operational decisions: expansion, closure, or new shop openings
- Integrated data-driven strategies to enhance retail efficiency and demand planning

### Bicep Curl Counter with MediaPose and OpenCV

- Created a bicep counter with MediaPose and OpenCV which accurately determines how many reps have you achieved by calculating the angle made by the shoulder, elbow and wrist joint.

*Tech stack: Python, MediaPose, OpenCV*

### Devopia (Hackathon) | ([github link](#))

- Designed and developed a comprehensive financial management solution, integrating PLAID API for seamless access to bank account balances. Delivered an innovative solution in the financial technology sector.
- Additionally, implemented features enabling users to effortlessly monitor Relative Strength Index (RSI) of any stock.

*Tech stack: React, Firebase, Firestore*

### Datathon '24 (Hacakathon)| ([website link](#), [github link](#))

- Collaboratively Developed NutriCraft, an innovative solution for precise calorie tracking and comprehensive nutrition analysis.
- Leveraging Gemini's Vision API, our innovative platform also generates recipes effortlessly from captured ingredient images. Committed to promoting holistic health through cutting-edge technology.

*Tech stack: React, Firebase, Firestore, Gemini Vision API*

### SocioConnect | ([github link](#), [Demo Link](#))

- Engineered a global networking platform facilitating seamless interaction and collaboration among developers worldwide.
- Empowering the exchange of ideas, fostering constructive feedback to drive innovation and excellence in the developer community.

*Tech stack: React, MongoDB, Express, Node, Redux*