

Mohammed Aftab

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EDUCATION

Netaji Subhash University of Technology

B.Tech in Electronics and Communication Engineering with AI and ML

Delhi

Nov 2022 – Present

Kendriya Vidyalaya 3BRD Air Force Station, Chandigarh

Higher Secondary Education - (Class 12 - 88.2%)

Punjab

May 2021 – May 2022

ACHIEVEMENTS

- Led a team to secure **1st position** in InnoHacks'24 Hackathon at NSUT, showcasing exceptional problem-solving skills, collaborative teamwork, and technical prowess.
- Demonstrated proficiency in data structures and algorithms by solving **500+** coding challenges across various platforms.
- Achieved **6,392nd** position out of 23,000+ participants in Round 1 of Meta Hacker Cup 2024.
- Orchestrated a high-performing team that clinched a coveted **Top 10 position** at the Execute 3.0 Hackathon at DTU, outperforming **100+** competing teams.
- Semi-Finalist** among 700+ teams across India in TVS Credit E.P.I.C 6.0 – IT Challenge.

PROJECTS

ShopSmart Analyzer | HTML, CSS, JavaScript, Node.js, Next.js

- Developed a cutting-edge catalog quality assessment tool for e-commerce, directly enhancing the user experience and meeting customer needs.
- Implemented a detailed evaluation system using over 7 parameters to calculate product scores, providing actionable insights for vendors to improve their listings.

SparkSpace | React, Express, MongoDB, Socket.io, TailwindCSS, Razorpay, AWS, Render

- A real-time Slack-like collaborative platform for creating and managing workspaces, channels, and messaging.
 - Built real-time messaging, reactions, and updates using Socket.io, reducing message latency by 40%.
 - Integrated Razorpay for secure subscription payments and a rich-text editor with formatting and media upload support.
 - Deployed the backend on Render and utilized AWS S3 for efficient media storage, improving image retrieval speed by 30%.
- Deployed Website Link:**
<https://spark-space-nw.vercel.app/>

CryptoTracker | React.js, Zustand, React Query, CoinGecko API

- Developed a cryptocurrency tracker app displaying real-time data for 7,500+ coins with an average response time under 500ms using CoinGecko API.
- Enhanced data fetching efficiency by 40% with Zustand for state management and React Query for caching. Reduced page load times by 30% using Suspense, Error Boundaries, and Lazy Loading.
- Applied component-based architecture and container/presentation pattern for scalable and clean code, separating logic from UI.

Deployed Website Link:

<https://crypto-tracker-omega-nine.vercel.app/>

TECHNICAL SKILLS

Languages: C++, JavaScript

Frameworks: React.js, Tailwind, Bootstrap, DaisyUI, Chart.js, Express.js

State Management: Redux, Zustand, React Query

Database: MongoDB

Cloud Services: Cloudinary, AWS

Computer Fundamentals: Operating System, Networking, OOPs, DBMS, SQL

EXTRACURRICULAR ACTIVITIES

Contributor , GSSoC 2024

Oct 2024 – Dec 2024

GirlScript Summer Of Code

India

- Actively contributing to the GirlScript Summer of Code 2024, gaining hands-on experience in open-source development. Collaborated with skilled mentors and fellow developers to enhance real-world projects.
- Contributed to 2+ repositories, solving bugs, adding new features, and navigating unfamiliar codebases in JavaScript and other languages to enhance functionality and user experience of open-source projects.

Member , DevComm (Technical Society)

Aug 2023 – Present

Netaji Subhash University of Technology

Delhi

- Collaborated with fellow members on projects to enhance practical skills, fostered a community of learning, and participated in 10+ discussions, workshops, and events on the latest tech developments.