Aditi Singh

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Education

KJ Somaiya College of Engineering BTech in Computer Engineering with Honours in Data Science   July 2023 – May 2027

- CGPA: 9.46/10 *(link to Marksheet)*

Coursework: Data Structures and Algorithms, Object Oriented Programming Methodology, Discrete Mathematics and Probabilty, Statistics and Optimization Techniques, Data Science

Projects

FoodConnect | *React, TypeScript, Tailwind CSS, Google Cloud, Firebase*   April 2025

- Developed a real-time food donation logistics platform enabling live tracking, role-based workflows, and location-aware matching to streamline surplus food delivery.
- Integrated impact measurement tools to monitor outcomes and optimize delivery efficiency, ensuring scalable and sustainable food relief across communities.

AdFlow AI | *React, Express, TelegramBot, TwitterAPI, GeminiAPI, GoogleTrends API*   February 2025

- Developed a predictive analytics feature that informed marketing strategies, directly contributing to an increase in customer acquisition rates via budget allocation through rigorous iterative testing and machine learning.
- Developed a comprehensive integration strategy that improved data flow between marketing and analytics platforms, resulting in a 25% reduction in reporting time and enabling quicker adjustments to ongoing campaigns.

MedSafar | *React, Bootstrap, Node JS, Solidity, Ganache, Hardhat, Tensorflow*   September 2024

- Spearheaded creation of a blockchain-based medical record system with emergency access protocols, achieving a 95% data retrieval success rate during simulated emergency scenarios, exceeding initial project goals.
- Utilized ML to optimize drug supply chain management with tracking, fraud detection, and demand forecasting.

MedSafe | *HTML, CSS, JavaScript, Bootstrap, Node JS, Google Search API, Firebase*   April 2024

- Implemented role-based access controls and encryption protocols within the Firebase platform; secured 1M+ patient records against unauthorized access and ensured data privacy.
- We developed a real-time communication module using Node.js and Socket.IO, reducing patient response times by 60% and increasing patient satisfaction scores by 25 points on surveys.

Technical Skills

Languages: Python, R, C, C++, Java, JavaScript, SQL
Libraries *MatPlotLib, Panda, NumPy, TensorFlow, SciPy, PyTorch*
Web Dev Tools: *React, Angular,* Bootstrap, Tailwind
Design tools: Figma, Framer, Adobe Photoshop, Adobe Premier Pro, Adobe AfterEffects

Positions of Responsibility

KJSCE Codecell, Core Team Member   July 2024 - *Present*

- Cultivated a thriving tech community of 800+ participants through 10+ events and workshops; increased community engagement by 40% as measured by promoting knowledge sharing on React, AI/ML, and CP
- Increased user engagement on the KJSCE Codecell website, leading to an increase of 20% in website traffic.

Honors

- 2 Star at **Codechef**
- Got selected and awarded a full scholarship to **SheFi Scholars Program Season 11**
- **SIH' 2024** - secured a Top 5 Finalist spot advancing through 395 competing teams
- **Winner** at Codecraft CTF'25 from 50+ teams, showcasing advanced problem-solving and cybersecurity skills.