

Harshal Dulera

Bachelor of Technology
K. J. Somaiya College of Engineering, Vidyavihar

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EDUCATION

•Bachelor of Technology in Information Technology (Hons: Cyber Security)

2022-26

K. J. Somaiya College of Engineering, Vidyavihar

PERSONAL PROJECTS

•Active Exploration of Financial Markets

Self-Driven Study in FX & Futures Trading

- Actively learning discretionary trading in FX and US index futures (Nasdaq – NQ, S&P 500 – ES) using price action, liquidity concepts, and time-price analysis.
- Focused on understanding institutional market structure, execution models, and risk management.
- Building a structured trading journal to track learning, performance, and emotional discipline.

•StakeFit - EthIndia Winner

A Web3 fitness app that uses blockchain to promote accountability by staking money on fitness goals.

- Engineered the frontend using TypeScript, ensuring a seamless and intuitive user experience, and integrated the Google Fit API for efficient and accurate fitness data tracking.
- Developed and implemented a chatbot with real-time video verification capabilities, leveraging AI to authenticate fitness activities and enhance user accountability
- *Tech Stack: NextJS, Solidity, Hardhat, Coinbase AgentKit, Base, Scaffold-ETH2*

•AdBaba

Aapka Apna Marketing Guru.

- Built an AI-powered marketing automation platform that creates personalized sales funnels based on brand manifesto, audience demographics, and industry data, reducing campaign setup time by 80
- Integrated real-time social media trend analysis and AI-generated content, including avatars and videos, to deliver one-click content generation tailored for platforms like Twitter, Instagram, and YouTube.
- *Tech Stack - TypeScript, NextJS, GraphQL, Hasura, Ollama, OpenAI API*

EXPERIENCE

•Cyber Security Analyst

July 2023 - April 2024

Deepcytes

- Driving penetration testing initiatives by configuring cloud VMs with essential tools, enhancing team capabilities in red teaming operations.
- Developing a predictive API using a BERT model trained on dark web data, bolstering AI capabilities for cyber-security applications.
- Conducting comprehensive testing of various red teaming tools, optimizing their usage for efficient cyber operations.

•Software Developer

EPT Global Logistics

- Created a professional portfolio website for a leading logistics company to showcase services and attract clients.

TECHNICAL SKILLS AND INTERESTS

Languages: Python, C++, JavaScript, PHP

Development: ReactJS, NodeJS, Express, NextJS, Shopify

Cloud/Databases: Azure, Firebase, Hasura, MongoDB, PostgreSQL

Deployment/Hosting: Vercel, Netlify, Koyeb

Tools: Git, GitHub, Unix, Raspberry Pi, Arduino, Microsoft Office, Docker

POSITIONS OF RESPONSIBILITY

•Creative Head KJSCE CodeCell

Feb 2023 - Present

- Volunteered in conducting 2 national-level hackathons, attracting 1500+ registrations. Assisted in coordinating various aspects of the event to ensure its smooth execution and success.
- Pioneered "KJSCE CTF," where I created the questions / challenges for the competition.

•Microsoft Learn Student Ambassador (MLSA)

2023

- Spearheaded the organization and promotion of technology initiatives within the college.

ACHIEVEMENTS

•ETH India Winner (3000\$ Bounty)

•1st Prize Winner RedFox Security CTF SIES GST

•NCIIPC-AICTE Pentathlon AIR 4