

HARSH KOTHARI

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EDUCATION

Vellore Institute of Technology, Vellore
B. Tech in Computer Science and Engineering

09/2022 – 09/2026
CGPA: 8.8

Delhi Private School, Sharjah(UAE)
High School Graduation

06/2016 - 09/2022

TECHNICAL SKILLS

Languages: Python, JavaScript, Java, Golang, JavaScript, C++, C, Dart

Development: Next Js, Django, Node Js, Golang, React Js

Developer Tools: GitHub, AWS, Azure, Google Cloud, Firebase, MongoDB, MySQL, Docker, Postman

CS Fundamentals: Operating System, Computer Networks, DBMS, OOPs, Data Structures and Algorithms

Soft Skills: Leadership, Teamwork, Problem-Solving, Communication, Time Management

PROFESSIONAL EXPERIENCE

Chief Technology Officer | Saytrip Ways Pvt Ltd

08/2024 - Present

- **Leadership & Technical Oversight:** Oversee all technology-related operations, including strategic decisions on server infrastructure, architecture improvements, and product functionality enhancements to ensure scalability and efficiency.
- **Backend Architecture:** Designed and developed a fully functional backend system for a flight booking engine, integrating with flight consolidators like Amadeus and Tripjack for pricing and booking functionality.
- **User Authentication & Data Management:** Implemented robust user authentication and managed critical flight booking data, ensuring secure and efficient operations.
- **Recognition:** After successful completion, received full compensation and was offered the CTO position to oversee all products and manage government consolidator relations.
- **Tech Stack:** Next.js, AWS, Prisma, Tailwind CSS.

Backend Project Lead | VinnovateIT Lab

12/2023 - 01/2024

- **Website Development:** Led the backend development of a website for VIT students, which went fully live during the university's add/drop sessions. Delivered the complete backend architecture within a tight 25-day timeline.
- **Collaboration:** Coordinated with the management team to ensure the website's readiness and successful advertisement to the student body.
- **Tech Stack:** Next.js, AWS, Prisma, Tailwind CSS.

PROJECTS

GoStays - Online Travel Agency [[Live Link](#)]

06/2024 - 10/2024

- Developed a fully functional Online Travel Agency for a start-up, focusing on airline flight bookings.
- Integrated flight booking APIs from **Amadeus-GDS** and **TripJack** for real-time pricing and availability.
- Utilized **Next.js**, **Prisma**, and **AWS** for backend development and **Tailwind CSS** for front-end design.
- Implemented user authentication with **Clerk** and integrated **Razorpay** for secure payment processing.

MedAI Platform - AI-Powered Healthcare Diagnostics [[Github](#)]

08/2024 - 08/2024

- This project was listed among the **Top 20 in VIT Vellore for Smart India Hackathon**.
- Designed and developed an AI-driven healthcare platform to automate medical diagnostics, including medical image analysis, OCR-based report parsing, and a health query chatbot.
- Implemented real-time classification for medical images and automated parsing of blood, urology, and medical reports for disease detection.
- Ensured seamless communication between the **Flask (Python)** backend and the **Next.js** frontend, integrating AI models and Explainable AI interfaces.
- Tech Stack: **Python (Flask)**, **Next.js**, **Tailwind CSS**, **AWS**, **OCR**, **Machine Learning**.

HostelWise [[GitHub](#)]

06/2024 - 08/2024

- Developed as part of **DevSoc's** hackathon at VIT Vellore.
- Led the backend development team to create a sophisticated API system using Django for a Flutter-based application.
- Completed the project within 30 hours, demonstrating effective time management and problem-solving skills.

AI-Handwriting Clone [[Output Image](#)]

08/2023 - 09/2023

- Developed a Python project using multiple libraries to create a personalized handwriting clone by training on user-provided samples.
- Processed and analysed 30-40 words from the user, utilizing graph theory to achieve high precision.
- Gained extensive technical knowledge in AI/ML during the two-month development period.

Web Scraper

- Developed multiple web scrapers to solve real-life problems using Selenium and Python.
- Notable projects include an Amazon scraper, Instagram account handler, and Instagram AI meme bot

POSITIONS OF RESPONSIBILITY

Projects and Sponsorship Head | IETE, VIT Vellore

01/2024 - Current

- **Spearheaded the organization of *Bakers Street***, a flagship event during Rivera Fest at VIT Vellore, which attracted significant participation and encouraged creative problem-solving among students.
- **Led the execution of large-scale technical projects and hackathons, including *System.KnockOut***, ensuring meticulous planning, flawless logistics, and high levels of participant engagement.
- **Guided and mentored junior members**, helping them conceptualize and execute various technical initiatives while fostering their leadership and technical skills.
- Played an instrumental role in managing the society's technical wing, overseeing multiple impactful projects and events that bolstered the organization's reputation on campus.

Senior Core Committee member | VinnovateIT, VIT Vellore

02/2023 - Current

- **Successfully hosted *VinPrep***, a comprehensive initiative designed to prepare students for internships and placements through tailored workshops, resources, and hands-on guidance.
- **Conceptualized, developed, and implemented *SwapIt***, an innovative platform simplifying the add-and-drop process for VIT Vellore students, significantly enhancing their academic experience.
- Played a key role in **enhancing *StudyHub***, a resource-sharing platform, by upgrading its functionality, transitioning the codebase to Next.js 14, and adding features that improved usability.
- Actively contributed to hosting various **high-impact technical and non-technical events**, fostering a collaborative environment and boosting technical engagement across the campus.

Core Committee Member | Mozilla Firefox Club, VIT Vellore

01/2023 – 01/2024

- **Organized and hosted multiple technical events during *Gravitas Fest*** at VIT Vellore, which focused on cutting-edge technologies, open-source contributions, and hands-on learning experiences for participants.
- **Significantly contributed to the technical growth of the club** by organizing workshops, mentoring students on web technologies, and enhancing members' understanding of open-source platforms.
- Strengthened the club's presence on campus by **innovating event ideas and collaborating with team members**, creating an inclusive and tech-forward environment for participants.

ACHIEVEMENTS AND CERTIFICATIONS

- **Microsoft Certified: Azure AI900 Certification for AI Engineer** – Scored **931/1000**
- **KenKen** – Ranked **45th nationally(UAE)** in the competitive logic puzzle challenge.