

HAMZA SAYYED

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EDUCATION

Thadomal Shahani Engineering College

Bachelor's in Computer Engineering

CGPA 9.02 /10

Dec 2021 - Jun 2025

• **Courses:** Web Dev., Computer Networks, Database Management, Project Management, Software Engineering, Artificial Intelligence

SKILLS

Languages: Java , Python , Javascript , C , C++

Tools: Git , Postman , Figma , Canva, Jupyter Notebook

Frameworks/ Library: React.js, Next.js, Node.js, Express.js, Flask

Others: OOP, Data Structures, Competitive Programming, Machine Learning

Platforms: Github , Firebase

Databases: MongoDB, MySQL

EXPERIENCE

Tata Advanced Systems Limited - Project Intern

Jun 2024 - Nov 2024

- Collaborated on a discreet project with a team of 4 member, focusing on innovative solutions to enhance project outcomes.

Propxgenie- Intern Head (Web Team)

Dec 2023 - Feb 2024

- **Coordinated** with **designers and founders** for the development of the entire web-based services for real estate company.
- **Distributed tasks** among team members, balancing workloads and reducing project completion time by 15%.
- Cultivated a **collaborative team environment**, providing mentorship and **guidance to interns**, resulting in project completion one week ahead of schedule, enhancing overall user experience.

6 Fifteen Digital - Full Stack Developer

May - Aug 2023

- Spearheaded **market research, competitive intelligence, business planning**, application development, and user experience enhancement, improving strategic decision-making by 25%.
- Delivered **web applications to 3+ clients**, providing tailored solutions that met specific business needs and resulted in a 30% increase in client satisfaction.

PROJECTS

SmartDrive | [SourceCode](#) - (*Computer Vision, YOLO, Python, TwilioAPI*)

April 2024

- Created an AI-powered system to **monitor lane detection, seatbelt usage, occupancy, smoking, drinking, and drowsiness** in drivers.
- Utilized **face and eye detection** with Haar cascades and custom-trained models for comprehensive monitoring, designed to potentially **reduce driver-related incidents** by up to 50%.
- Implemented **safe area monitoring** for lane detection, including camera calibration and lane curvature determination, aimed at **decreasing lane departure accidents** by up to 30%. The lane detection code was adapted from an open-source Udacity project.

Islaah AI Guide - (*Beautiful Soup, Python, LLM, Hugging Face, Redis, Pinecone*)

Feb 2024

- Designed **conversational AI system** proficient in addressing user queries on principal teachings sourced from prominent selected books with insightful information along with it's context using **conversational buffer**, which can increased user engagement by 40%.
- Worked on **Redis caching** to accelerate performance by 60%, **Pinecone index queries** for quicker data retrieval, **Hugging-Face** for **embeddings generation** and **Google Palm Model** for response creation.

BarterX | [SourceCode](#) - (*ReactJs, NodeJs, ExpressJs, MongoDB, Flask, Python, TensorFlow*)

Nov 2023

- Developed an application that revamps the concept of **barter system** promoting **sustainability**.
- Created a **RESNET50-based** image upload feature **reducing manual search** time by 50% and enhanced **recommendation accuracy** by 30% and **reduced spam proposals** by 60% through **collaborative filtering** and **price validation** mechanisms.

EXTRACURRICULAR

Dev's Club | Web Team Lead

Mar 2023 - Apr 2024

- **Led a team** of 5 as **Website team lead** at college, successfully building a **college's website** which **helps teachers and committees** to send notes, notification and updates about college events on official app.
- **Implemented railway concession** feature to provide ease to all students and the management office, resulting in a 30% **reduction in processing time** and an 80% **decrease in the use of papers**.
- Co-wrote and maintained the committee's website, **helped over 200 students** in starting their website development journey by providing resources and projects to work on, as well as **offering 1-on-1 mentorship**, leading to a 50% increase in successful project completions.

Codecell | Senior Committee Member

Mar 2023 - Feb 2024

- Organized a **24-hour offline Hackathon** - TSEC HACKS 2024, with **1000+ registrations** along with **30 committee members**, and **hosted mini event Verge-Conflict**.

ACHIEVEMENTS

Awarded By Principal For Implementing Railway Concession Feature

Feb 2024

CSI TechNext| Second Runner Up - [Website](#) [Certificate](#)

Sept 2023

Solved 600+ dsa/cp problems across all platforms

Top 10 in 4+ Hackathons