HARSH SINGH

Mumbai, India — hs927720@gmail.com — +91 8369030635 — LinkedIn — Portfolio

EDUCATION

SRM Institute of Science and Technology, Kattankulathur   Enrolled: Sept. 2022 — Expected: June 2026
Bachelor's in **Computer Science and Engineering**
Relevant Coursework: Object-Oriented Programming, Database Management Systems, **Data Structure and Algorithms**, Artificial Intelligence.

PROJECTS

MedSum - A medical text summarizer   SRM Kattankulathur
Project Link: `https://darling-banoffee-d5d167.netlify.app/`   November - December 2024

- Built a tool that summarizes medical documents by integrating **Gemini API** for NLP tasks.
- Enabled users to **download the summarized response** as a document for easy reference and sharing.
- Reduced manual effort by over **40%** for healthcare professionals by producing concise and accurate summaries.

AlgoViz - Sorting Algorithm Visualizer   SRM Kattankulathur
Project Link: `https://prismatic-crostata-63d8ac.netlify.app/`   August 2024 - December 2024

- Built an interactive Sorting Algorithm Visualizer using **JavaScript**, achieving **60%** faster rendering with optimized DOM updates for real-time sorting animations.
- Implemented an intuitive UI with dynamic controls, allowing users to choose from **3 sorting algorithms**, and modify speed settings.
- Optimized performance and responsiveness, ensuring smooth animations and cross-device compatibility.

TourNova - Revolutionizing tourist itineraries   SRM Kattankulathur
Project Link: `https://github.com/harshsingh-28`   January - February 2025

- Currently working on publishing the project as a research paper in **IEEE Access**.
- Designed and developed a **feature-rich** tourism web application.
- Integrated **Gemini API chatbot** to assist users in selecting destinations, planning itineraries, and estimating travel costs.

SKILLS

- **Programming Languages:** Python, C, **C++**, Javascript
- **Frameworks:** React, Express, Node, Mongoose
- **Tools and Platforms: Git**, MongoDB, Vite, Vercel, Netlify, Linux

ACHIEVEMENTS

Participated in **multiple** hackathons and competitions

- **Qualified among 500 teams** at Smart India Hackathon, SRM, Chennai
- **Participated** in OODP Hack, SRM, Chennai
- **Participated** in EY Techathon, National Level Hackathon

Certifications:

- Introduction to Data Science —*Credentials*   Cisco
- Machine Learning Foundations —*Credentials*   AWS Academy

VOLUNTEERED

BEING SEVAK CHARITABLE TRUST   Mumbai, Maharashtra
Volunteer   May 2024 - June 2024

- Volunteered for 50 hours with Being Sevak Charitable Trust, actively participating in Mission Annapurna.
- Contributed to organizing, distributing supplies, and supporting efforts to enhance food security for visually impaired individuals.