HARSH TURAKHIA

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Portfolio: https://harshturakhia.vercel.app

EDUCATION

LDRP Institute of Technology, Gandhinagar, Gujarat   May 2024
- Bachelor of Engineering in COMPUTER SCIENCE & ENGINEERING
- Result: 8.54 CGPA

EXPERIENCE

1) TatvaSoft: Trainee   *Jan* 2024 – June 2024
- Gained hands-on experience in **.NET MVC**, developing a **Hospital Management System** with multi-role access control and status-based workflows.
- Tech Stack : .NET MVC, C#, Bootstrap, HTML, CSS, Postgres

2) TatvaSoft: *Trainee Software Engineer (Full Stack Developer)*   *July* 2024 – June 2025
- Developed and optimized a comprehensive **Employee Management System and Performance Assessment System,** integrating modules for **employee roles, salary management, resignations, and data imports** with seamless backend connectivity.
- Created **reusable Angular components** and optimized **stored procedures** to enhance application performance and scalability.
- **Tech Stack:** Angular 18, .NET Minimal API, C#, PostgreSQL.

3) TatvaSoft: *Associate Software Engineer (Full Stack Developer)*   *July* 2025 – Current
- Leading the migration project of a Vehicle Tire Dealer Management System to **Azure Functions**, optimizing scalability, performance.
- Working in an Agile environment with Jira, contributing to sprint execution, cloud deployments, and cross-functional collaboration.
- **Tech Stack:** Azure Functions, .NET 8, C#, Sql Management Studio

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PROJECTS

- **Warehouse Management System**   *Aug* 2024 – Dec 2024
  - Designed and developed a role-based Warehouse Management System implementing authentication, **claim-based authorization**, and **real-time notifications** using **SignalR**.
  - Architected the **database schema** and optimized entity relationships for efficient inventory tracking, order management, and user activity logs.
  - **Tech Stack:** .NET MVC, C#, SignalR, PostgreSQL, Bootstrap, JavaScript

- **Chat-ish - Real-Time Web Chat Application**   Apr 2023 – Jul 2023
  - Developed a real-time chat platform enabling individual and group messaging with user search and light/dark themes.
  - Implemented **end-to-end encryption** using `crypto.js` and achieved seamless synchronization using **WebSockets**.
  - **Tech Stack:** React.js, Node.js, Express.js, Material UI, MongoDB

SKILLS

- **Programming Languages:** C++, JavaScript, TypeScript, C#
- **Frontend:** HTML, CSS, JS, React, Angular, Bootsrap, Tailwind
- **Backend :** .NET Core, .NET MVC, Node.js, Express.js, Nest.js,
- **Database :** SQL Server, PostgresSQL, MongoDB
- **Tools:** Version Control (git), Jira
- **Other:** Data Structures and Algorithms, Object Oriented Programming, Database Management System

ACHIEVEMENTS & CERTIFICATIONS

- **HackRx 4.0 Generative AI Hackathon by Bajaj Finserv:** Finalists — July 2023
- **HACK SRM 4.0 Hackathon by SRM AP: "**Best in Blockchain**"** Title Winner — May 2023
- **Project Expo '23 by SRM:** "A.I. in Healthcare" theme — February 2023
- **Google Kickstart '21:** Competitive Programming participation — April 2021
- **Microsoft AI Classroom Series:** Completion — December 2020

RESEARCH WORK

- **Bladder Tissue Classification in Multi-Domain Endoscopic Images using Deep Learning**
  Deep Learning, Bladder Lesions Classification — February 2024 – May 2024
  - Implemented deep learning models for classifying bladder tissue types (HGC, LGC, NST, NTL) in endoscopic images to assist cancer detection and diagnosis techniques.
  - Employed transfer learning with the ResNet-50 model for efficient feature extraction and high accuracy.
  - Achieved an average accuracy of 90% on a multi-class classification task.
  - Submitted paper to an IEEE International Conference on Intelligent Systems and Advance Applications for presentation and publication.

CO-CURRICULAR ACTIVITIES

1) **President**
   TechWiz *(Technical student community at SRMIST)* — May 2023 – December 2023
   - Upon appointment as Techwiz's President, I was successful in helping the club to conduct events, workshops, and competitions around new trends in tech.
2) **Technical Team Lead**
   TechWiz *(Technical student community at SRMIST)* — October 2022 – April 2023
   - Led the team to conduct a technical workshop on GIT and web development providing hands-on experience to the participants and volunteered Pair-a-thon (mini hackathon) at TEXUS 2023.
3) **Public Relations Head**
   Campus Life *(Cultural club at SRMIST)* — April 2023 – December 2023
   - Led social media marketing campaigns for inter-level and intra-level college fests.
4) **Technical Member & Content Writer**
   Google Developer Students Clubs — April 2021 – April 2022
   - Took sessions on ASJ 102 with 100+ participants, and contributed to mini tech blogs and related content.
5) **Community Lead**
   CODECREEK *(Cross-college community)* — June 2021 – December 2022
   - Formed a Cross-college community along with 6 more volunteers and shared technical knowledge.