Harsh Garg

harshgarg220104@gmail.com | +91 8306191398 | harshgarg.tech | in | O

Education

SRM Institute of Science and Technology KTR, B.Tech in CSE (Cloud Computing Specialization)   Sept 2022 – May 2026

- GPA: 9.09/10.0
- **Coursework:** Data Structures, Operating Systems, Computer Networks, Cloud Technologies

Experience

Full Stack Developer Intern, blooMinG – Jaipur, India   Nov 2024 – Feb 2025

- Designed and deployed a full-stack e-commerce platform, including a robust admin panel, enabling the business to successfully transition to a digital storefront.
- Led the complete development lifecycle from planning to deployment, ensuring scalability, security, and a smooth user experience across devices.
- Implemented caching + rate-limiting on API endpoints, improving server response time by 40% and cutting security incidents to 0 in production.
- **Tools Used:** React, Vite, Tailwind CSS, Node.js, Express.js, MongoDB, Cloudinary

Projects

Homiee   ↗
- Developed a platform to help users settle in new cities by finding housing, flatmates, and communities.
- Integrated a Gradient Boosting ML model for compatibility scoring (92.9% R^2 precision) and implemented a mobile-responsive user interface.
- **Tools used:** Next.js, Tailwind, Express.js, Prisma ORM, Scikit-learn (Gradient Boosting), Python, Railway, Vercel

EcoBin   ↗
- Built an IoT-enabled smart waste management system with auto-sorting bins (Arduino + YOLO, 60% higher segregation efficiency).
- Designed user, municipal, and driver dashboards: users request pickups & track garbage stats, officials approve requests & manage fleets, drivers receive optimized routes.
- **Tools used:** ESP32-CAM, Python, Next.js, Node.js, MapBox API, Tailwind, PostgreSQL, YOLOv11

Mr. Montage – AI-Powered Valorant Montage   ↗
- Created an AI pipeline (YOLOv5 + CUDA + Flask) to auto-detect highlights from gameplay recordings, cutting editing time by 70%.
- Invited to present at Buildspace Expo, San Francisco.
- **Tools used:** Machine Learning, YOLOv5, Python (Pandas, NumPy), Scikit-learn, Flask, MoviePy

Technical Skills

Languages: C/C++, Python, Java, JavaScript, TypeScript
Frameworks & Libraries: React.js, Next.js, Node.js, Express.js, Flask, Tailwind, Prisma, Three.js
Databases: MongoDB, MySQL, PostgreSQL
Tools & Cloud: Docker, Terraform, Firebase, AWS, Vercel, Render, OAuth, JWT, YOLO, CUDA, MoviePy

Achievements and Certifications

- Qualified **SIH'23 Internal Hackathon**.
- **Finalist** - Temethon'25, CodeFest'24, OssomeHacks'23, App-a-thon'24.
- **NPTEL Certification** – Introduction To Industry 4.0 And Industrial Internet Of Things, Programming in Java.
- **Oracle Cloud Infrastructure 2024** Foundations Associate and **Google Cloud Foundations** Certified.