HARSH GARG

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SKILLS

- Programming Languages: C/C++, Python, Java
- Web Technologies: ReactJs, MongoDB, NodeJs, ExpressJs, NextJS, Flask, Tailwind, HTML/CSS, Typescript, PostgreSQL
- Cloud & DevOps: AWS, Git/GitHub, GCP
- Other Tools: Docker, Firebase, YOLO, MoviePy
- Languages : English , Hindi , French (Intermediate)

PROFESSIONAL EXPERIENCE

Full-Stack Intern | blooMinG | MERN , Razorpay , Firebase   Nov'24 - Mar'25

- 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.
- Optimized backend performance and implemented key security measures, improving site speed and safeguarding user data in a production environment.

Product Developer | Buildspace | YOLO, Python, Flask, MoviePy, Firebase   June'24 - Aug'25

- Spearheaded development of an AI-powered platform that auto-generates Valorant montages using a YOLOv5 model trained on custom gameplay footage.
- Engineered a scalable Flask web interface with Firebase integration for persistent media storage and seamless user access.
- Invited to the **Buildspace San Francisco Expo (Aug '24)** to present as one of the standout projects in the global cohort.

PROJECTS

EcoBin | ESP32-CAM, Python, Next, Node.js, Google Maps API, Tailwind, PostgreSQL

- Built an IoT-enabled smart bin system that auto-sorts waste using sensor input and real-time analytics.
- Developed a responsive web app and dashboard for residents and municipalities to monitor bin status and optimize waste collection.
- Integrated Google Maps API for route optimization, cutting fuel costs and travel time.
- **Finalist at Temethon '25 Hackathon**, recognized for innovation in urban sustainability and smart city solutions.

Mr. Montage – AI-Powered Valorant Montage | YOLO, Python, Flask, MoviePy, Firebase

- Created an AI tool to detect in-game highlight moments in Valorant and compile automatic video montages.
- Implemented real-time video processing pipeline with Flask and integrated Firebase for data persistence.
- Project selected for **Buildspace SF Expo (Aug '24)** for innovation in gaming automation.

Digital Twin for Powerhouse | Python, Machine Learning, React, Flask , FastAPI

- Built a digital twin web app to simulate and monitor power generation systems in real-time using ML-driven anomaly detection.
- Integrated live sensor data visualization and fault prediction to enhance operational efficiency and system reliability.
- Qualified for **SIH 2023 internal hackathon**, recognized for innovation in industrial system tracking.

EDUCATION

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY | CHENNAI ,INDIA   Sept'2022 -May'2026

BACHELOR'S IN COMPUTER SCIENCE AND ENGINEERING - CGPA : 9.1

RYAN INTERNATIONAL SCHOOL| JAIPUR ,INDIA   May'2017 – May'2021

SENIOR SECONDARY – PERCENTAGE: 85.6%
SECONDARY – PERCENTAGE: 92.4%

ACHIEVEMENTS

Finalists in SIH'23 , Temethon'25 , CodeFest'24, OssomeHacks'23, and App-a-thon'24.