

# HARMAN SINGH MALHOTRA

+91-87915-60519 ♦ Dehra Dun, IN

[harman7singh7@gmail.com](mailto:harman7singh7@gmail.com) ♦ [in/hsmhere](https://in/hsmhere) ♦ [harmancodes.com](https://harmancodes.com) ♦ [github.com/H-SM](https://github.com/H-SM)

## EDUCATION

**Bachelors in Computer Science (Hons.) AI/ML - Big Data**  
UPES . 8.65 CGPA

2021 - 2025  
Dehradun, IN

## EXPERIENCE

### Software Engineer Intern

Loop Heath - Invoq health

Dec 2024 - Present

Bangalore, IN

- Spearheaded automation initiatives in the endorsement team, reducing manual report processing time from 6 hours to near-zero through template generation systems, resulting in 28% improvement in operational efficiency.
- Architected and implemented a standardized error handling framework across multiple application wings, establishing modular error verbages to enhance system reliability and developer debugging efficiency.
- Optimized endorsement data processing workflows through strategic automation, improving report generation accuracy while significantly reducing human intervention in data validation processes.

### Web Developer Intern

Digital Jalebi

June 2024 - August 2024

Dehra Dun, IN

- Engineered Event Tech project, achieving 40% reduction in database query reads using NextJS, IoT technologies, and database optimization techniques.
- Led integration of Local Server, which resulted in 45% improvement in handling load times across offline exhibits.
- Developed innovative SaaS applications and experiential exhibits display that enhanced user engagement and 60% improvement in app stability.

### Project Intern

HERE Technology

June 2024 - July 2024

Dehradun, IN

- Reached 90% accuracy in geographic data for end users by implementing advanced web scraping techniques using Scrapy.
- Worked in a team to scrape data from 8 live sites, enhancing the geographical data pipeline with up-to-date information.
- Implemented a data scraping framework that automated the collection of location-based information, allowing for an increase in the frequency of data updates by 200%, directly enhancing the quality of mapping services used.

## PROJECTS

**AIEDS.** Developed a React-based learning aid app with PDF querying and AI-powered summaries. Integrated Prisma/PostgreSQL, optimizing database queries for 50% faster load times, and integrated Mistral Openorca model for content analysis. Used React.js, Tailwind CSS, PostgreSQL, Prisma, Firebase and Docker. ([GitHub](#))

**GraphPathGuru.** Constructed a complex graph Algorithm visualization tool using React, Node.js, and MongoDB. Implemented custom graph algorithms, enhancing predictive analytics by 25% and query efficiency by 30% with use of C++. Led a team of 4 developers, managing 100+ commits and coordinating workflow. Utilized Tailwind CSS and Material UI for responsive design. ([Visit Project](#))

## SKILLS

### Programming Languages

C++, JavaScript, Typescript, Python

### Databases

MongoDB, PostgreSQL, SQL, Redis, Firestore

### Libraries & Frameworks

ReactJS, NextJS, NodeJS, ExpressJS, Redux, Prisma, Ionic, Supabase

Firebase, Figma, TailwindCSS, Shadcn, Material UI, Git

### Adobe Suite

Photoshop, Illustrator, After Effects, Premier Pro

## CERTIFICATIONS AND ACHIEVEMENT

**Microsoft Azure AI Enginner Associate**, Implementing AI solutions using Microsoft Azure

Microsoft

**Graph's Contest Winner**, Top performant for University category (UPES) in the contest

GraphTheory

**Associate Design & VFX Head**, Guided a team of 9 designers overseeing

UPES CSI Student Chapter

aspects of Design and VFX over 20+ projects. Spearheaded design initiatives for over 15 community events.

**Leetcode**, 700+ questions 1570 rating, proficient in C++.

Leetcode