

# HARMAN SINGH MALHOTRA

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## EDUCATION

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

2021 - 2025  
Dehradun, IN

## EXPERIENCE

**Web Developer Intern**  
Digital Jalebi

June 2024 - Present  
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**  
**Databases**  
**Libraries & Frameworks**

C++, JavaScript, Typescript, Python  
MongoDB, PostgreSQL, SQL, Redis, Firestore  
ReactJS, NextJS, NodeJS, ExpressJS, Redux, Prisma  
Ionic, Supabase, Firebase, Figma, TailwindCSS  
Shadcn, Material UI, Git, GitHub  
Photoshop, Illustrator, After Effects, Premier Pro

**Adobe Suite**

## INVOLVEMENT

**Associate Design & VFX Head**  
UPES CSI Student Chapter

August 2022 - April 2024  
Dehra Dun, IN

- Guided a team of 9 designers and visual effects artists, overseeing all aspects of Design and VFX over 20+ projects and maintained brand consistency across 20+ projects and helping coworkers for optimal results.
- Spearheaded design initiatives for over 15 community events including Hackathon 8.0 and Yugmak 2.0, leading a creative team that delivered compelling visuals and layouts, which enhanced participant engagement and event visibility.

## CERTIFICATIONS AND ACHIEVEMENT

**Microsoft Azure AI Enginner Associate**, Implementing AI solutions using Microsoft Azure  
**Graph's Contest Winner**, Top performant for University category (UPES) in the contest

Microsoft  
GraphTheory