Harman Singh Malhotra

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EDUCATION

Bachelors in Computer Science (B.Tech Hons. AI/ML)
Minor in Big Data · UPES · Dehradun, IN · 2025 · 8.72 CGPA
· Awarded academic scholarship for 2 years good grades.
· Attained Honor credits over the domain.

EXPERIENCE

Data Science Intern
CodeClause   **March 2024 - April 2024, Dehradun, IN**
· Collected data from 5+ sources, created 10+ visualizations using Python libraries, and documented findings.
· Developed 4+ models regression and SVM models for prediction and classification, optimized using cross-validation and evaluation metrics.
· Collaborated with teams, translated insights into actionable recommendations for data-driven decision-making.

Design Intern
Apna Roti Bank (NGO)   **June 2022 - July 2022, Dehradun, IN**
· Executed design strategies and upheld brand coherence across a diverse range of over 15+ project.
· Streamlined project timelines for 15+ concurrent projects.
· Optimizing resource allocation and consistently achieving on-time delivery of deliverables within budget constraints, reduced project delays by 40%.

INVOLVEMENT

Associate Design & VFX Head
UPES · UPES CSI · August 2022 - April 2024
· Led a team of 9 designers and visual effects artists, overseeing all aspects of Design and VFX over 20+ projects.
· Implemented design strategies 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.

PROJECTS

AIEDS
React, tailwind CSS, Material UI, PostgresSQL, Prisma, Firebase, SQLite, Docker. · https://github.com/H-SM/AIEDS · February 2024 - April 2024
· Developed React.js front-end with 10+ reusable components for learning aid app with chat-based PDF querying.
· Integrated Prisma/PostgreSQL, optimizing queries for 50% faster load times.
· Utilized Mistral Openorca model, providing text summaries and insights on user uploaded content.

GraphPathGuru
React, tailwind CSS, Material UI, NodeJS , MongoDB. · https://graph-path-guru-test.vercel.app/ · October 2023 - December 2023
· Designed a complex network analysis algorithm using graphs that processed and visualized data from nodes and edges, enhancing predictive
  analytics capabilities by 25%.
· Engineered sophisticated graph traversal algorithms that increased query efficiency by 30% for a large-scale graph database.
· Acted as the project maintainer in a team of 4 members, coordinating workflow over 100+ commits and issues.

NoteHaven
React, tailwind CSS, NodeJS , MongoDB, ExpressJS · https://note-haven-h-sm.vercel.app/ · August 2023 - September 2023
· A sophisticated cloud-based note taken app streamlining note management with 7+ versatile features such as tagging.
· Supports user token authentication protocol for user authentication and managing 10+ CRUD operations.
· Overlooked user-friendly interface designs and intuitive navigation pathways, redesigning of user interface and improving user experience.

SKILLS

Programming Languages: JavaScript, React, Next.js, MongoDB, Typescript, Python, Node.js, Express.js, Tailwind css, Postgres, Firebase, Prisma, Git, GitHub
Adobe Suite: Adobe Photoshop, Adobe Illustrator, After Effects, Adobe Premier Pro
Google Suite: Google Docs, Google Drive, Google Sheets, Google Slides
Competitive programming: https://leetcode.com/u/H-SM/ , 500+ questions 1570 rating, proficient in C++
Soft Skills: Consistent, Cooperative, Collaborative