Inzamam Ul Haque Chowdhury

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EDUCATION

National Institute of Technology,Kurukshetra — Haryana,India
Bachelor of Technology in Computer Engineering — *June. 2020 – June 2024*

EXPERIENCE

Research Intern — August 2024 – Present
National Institute of Technology,Kurukshetra — *Haryana,India*

- Working on a project focused on applying and analyzing the techniques from the research paper "Efficient Data Representation Learning in Google-scale Systems."
- Implementing advanced algorithms such as Multi-size Unified Embedding and Deep cross-network V2 to assess their impact on data representation efficiency.
- Contributing to the development of a book chapter that explores these techniques, their practical applications, and their significance in large-scale systems.

Project Intern — Jan. 2023 – Jun.2023
National Institute of Technology,Kurukshetra — *Haryana,India*

- Developed a crowdfunding platform using blockchain technology. The platform enabled users to create and support campaigns with transparent transactions by eliminating intermediaries.
- Utilized Solidity to develop smart contracts for creating campaigns, managing donations, and retrieving information about campaigns and donors.
- The platform was built with HTML, React.js, and Tailwind CSS, and integrated Metamask for secure transactions.

PROJECTS

xCombinator⧉ | *NextJs, TypeScript, Drizzle, PostgreSQL*

- ∗ Designed and implemented a platform for startup enthusiasts to share and explore innovative startup ideas .Developed a user-friendly system where users can log in using Google authentication powered by NextAuth.js and post their startup ideas.
- ∗ Built a robust backend using PostgreSQL for secure and efficient data management. Integrated a feature that displays the email addresses of idea posters, enabling initial communication and collaboration among users.
- ∗ Currently enhancing the platform with a direct communication feature .Expanding functionality to allow users to communicate directly within the app, fostering seamless interactions. The platform has supported the submission of 28 startup ideas and engagement from 8 active users.

Auto Plaza⧉ | *React.js, Tailwind CSS, PostgreSQL, Firebase, Drizzle*

- ∗ Developed a platform for users to list and explore cars, with search and filtering options based on make, model, and price, ensuring an efficient and user-friendly car listing experience.
- ∗ Implemented a full-stack solution using React.js for the frontend, PostgreSQL with Drizzle for managing and storing car data, and Tailwind CSS for creating a responsive, modern interface. Integrated Clerk for secure authentication, allowing users to log in easily with Google.
- ∗ Currently enhancing the platform with features for car owners to manage listings, communicate with potential buyers and search functionalities to provide a more personalized browsing experience.

TECHNICAL SKILLS

Languages: Java — Python — TypeScript — JavaScript — C/C++
Front-End Skills: ReactJs — NextJs — CSS — Tailwind — Bootstrap — EJS
Backend Skills: ExpressJs(on Nodejs) — Solidity
Database : MySQL — MongoDB — PostgreSQL — Drizzle ORM
Machine Learning : pandas — NumPy — Matplotlib — KNN — Random Forest — Clustering — Scikit-learn
Version Control: Git