

Bhaskar Mandal

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EDUCATION

Indian Institute of Technology, Hyderabad

Bachelor of Technology in Materials Science and Metallurgical Engineering

Hyderabad, India

Oct. 2022 – Present

Mozampur HSSB High School

High School

Malda, India

Jul. 2020 – Apr. 2022

EXPERIENCE

App Dev Head at Lambda (Software Development Club)

Indian Institute of Technology, Hyderabad

May 2024 – Present

Hyderabad, India

- Rewrote the IITH Dashboard from a PWA to a Flutter app, resulting in increased overall satisfaction from the student community.
- Migrated the cab-sharing website to the new dashboard app, ensuring seamless integration and improved user experience.

Web Head at E-Cell IITH

Indian Institute of Technology, Hyderabad

May 2024 – Present

Hyderabad, India

- Built for hackathon portal, to conduct E-Cell's hackathons. And leading a team of 4 and working with them.
- Working on implementation of a new E-Cell website.

Core at Lambda (Software Development Club)

Indian Institute of Technology, Hyderabad

July 2023 – April 2024

Hyderabad, India

- Worked on new implementation of IITH Dashboard frontend and auth part.

App-Web Team Member at Sunshine (Counselling Cell)

Indian Institute of Technology, Hyderabad

Jun 2023 – April 2024

Hyderabad, India

- Built an app for Sunshine, IITH. Its basically Flutter app which use Dialogflow for ChatBot feature and Firebase for database (RTDB) and auth. And also worked on new implementation of the main [website](#).

PROJECTS

URL Shrink | shrink.bhaskaraa45.me | [Source Code](#) | [Go/Gin](#), [ReactJs](#), [PostgreSQL](#)

- A web application designed to shrink large URLs and track the number of clicks on the generated short URLs.
- Developed using Go/Gin as backend framework, PostgreSQL as database and ReactJS for frontend.
- Cookie-based Google authentication for secure user access. And a subdomain utilization for efficient redirection.

ChatHub | [Source Code](#) | [Go/Gin](#), [Flutter](#), [PostgreSQL](#), [Firebase](#)

- ChatHub is designed to facilitate secure and efficient communication across multiple platforms.
- The backend architecture is built with GoLang, leveraging the Gorilla/Mux framework to handle routing and middleware efficiently.
- PostgreSQL is used as database. And Firebase Storage is utilized to store images.

Hackathon Portal | hackathon.bhaskaraa45.me | [Go/Gin](#), [NextJs](#), [PostgreSQL](#), [Supertokens](#)

- Developed a comprehensive portal for conducting a hackathon organized by E-Cell, IIT Hyderabad. The portal features both participant and admin interfaces to facilitate smooth event management.
- Utilized Next.js and Chakra UI for the frontend development. and Go-Gin framework and PostgreSQL for backend and database respectively. Implemented secure authentication using Supertokens.

TECHNICAL SKILLS

Languages: Go, Java, Python, C/C++, Dart, SQL (Postgres), JavaScript, Typescript, HTML/CSS

Frameworks: Flutter, NextJS, Go-Gin, FastAPI, Node.js, Tailwind CSS

Developer Tools: Git/GitHub, Linux, Firebase, Google Cloud Platform, Docker, Microsoft Azure, Vercel, Cloudflare

Libraries: React JS, Express JS, NumPy, Matplotlib, Pandas