

Bhaskar Mandal

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Education

Indian Institute of Technology, Hyderabad 2022-2026
B.Tech in Materials Science and Metallurgical Engineering

Experience

Lambda, IITH Aug. 2023 - Present
Core Member *Python, Flutter, Firebase*

- Working on IITH dashboard project. Flutter based frontend and FastAPI based backend. I'm working on OAuth2.

Sunshine, IITH Aug. 2023 - Apr. 2024
App-Web Team Member *NextJS, Flutter, DialogFlow, Firebase*

- Built an app for Sunshine, IITH. Its basically flutter app which use dialogflow for ChatBot feature and firebase for database and auth.
- Also built new website for the sunshine community. (sunshune.iith.ac.in)

PicaPool
Frontend Developer *Flutter, Google Maps, PSQL*

- Working as frontend dev. Worked on PicaPool user app and Partner App.

Projects

URL Shrink [Source Code](#)
GoLang and React Application for shrinking large URLs *GoLang, ReactJs, PostgreSQL*

- Cookie based Google's OAuth2 implemented, used PSQL for database and mapping URLs.
- Just minimal designed frontend built using ReactJs, and complete(strong) Go (gin) backend.

ChatHub [Source Code](#)
A private cross-platform chat app *Flutter, GoLang, PostgreSQL, FCM*

- Used Flutter for frontend, GoLang (gorilla/mux) for backend and PSQL for database. Proper FCM (Firebase Cloud Messaging) implemented for notifications.

PicaPool and PicaPool Partner
A pooling platform *Flutter*

- I worked on frontend design, auth, socket, fcm and state management for both the app.

Sunshine App and Website [App Link](#)
NextJs based static website and Flutter-Firebase mobile application *NextJs, Flutter, Firebase, Dialogflow*

- Full functional app with features of booking slot, and a ChatBot.

Initial Commit [Source Code](#)
Firefox & Chrome extension for finding initial commit of a public repo.) *Javascript, Github APIs*

Tic-Tac-Toe [Source Code](#)
Multiplayer(2) tic tac toe online game :) *Golang(Gin), gorilla/mux socket, ReactJs*

Gymtrack [Source Code](#)
Multiplayer(2) tic tac toe online game :) *Golang(Gin), Flutter*

- Token based OAuth2, and used PSQL for the database

Few More Projects
File Sharing, Code Revision

Skills

Languages:

Java, Go, C/C++, Python, Javascript, Dart, Typescript

Frontend:

Flutter, ReactJs, Android Native (Java)

Backend & Database:

Go/Gin, FastAPI, PostgreSQL

Miscellaneous

Git/Github, Linux, Firebase, Hosting, DialogFlow