

Gopu Manvith

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Education

IIT (ISM) DHANBAD

Expected May 2025

Bachelor of Technology in Computer Science and Engineering (GPA: 6.29)

Dhanbad, Jharkhand

- **Relevant Coursework:** Data Structures and Algorithms (C++), Probability & Statistics, Operating Systems, Objected Oriented Programming, Database Management Systems, Machine Learning, Artificial Intelligence

Experience

Exposys Data Labs

June 2024 – July 2024

Android App Developer Intern

Remote

- Developed and tested Android applications using Kotlin.
- Assisted in debugging and fixing issues to improve app performance.
- Collaborated with the team to implement user interface designs and features.

Projects

TrackPay | React-Native, MongoDB, Express, Render, Passport.Js, JsonWebToken, Bcrypt.Js

[Source Code](#)

- Accesses messages and shows all payments at a single place. Can manually add transactions into various Books.
- Users can add their lends in the lendingScreen. Profile screen shows their spending and lending Analysis.
- User authentication using Passport.Js and encryption using bcryptjs and used MongoDB as database.

SuperFood | React-Native, MongoDB, Express, Render, GoogleMapsAPI

[Source Code](#)

- Restaurants can lively update their food in the restaurant side app, and users can view and order them.
- Has features like adding to cart and Map Screen is available and can book food from their nearby location, can adjust radius of search for restaurants, and search for other locations.
- For every order an OTP is given to user and order is completed when the restaurant-side enters the OTP. Also shows live and completed orders for both restaurants and users. Has Sales Analysis for Restaurants.

Heart Rate Estimation App | Android Studio, Google Firebase, Ngrok

[Source Code](#)

- Estimates heart rate by recording the Face and then converting the video into RGB signals array using CameraX.
- Stores the videos in Firebase and then extracts the video into a single array of RGB values, which is then sent to backend server using Ngrok which predicts the heart-rate.
- Built this app based on the research done in IIT INDORE, which was fully an ML research and converting this research into an user-friendly and faster estimating app

Technical Skills

Languages: C, C++, Kotlin, Swift, JavaScript, TypeScript, Python, SQL

Technologies: Android SDK, iOS SDK, React-Native, MongoDB, Google FireBase, kaggle, Jupyter, Express, Microsoft Azure, Render, Ngrok, Passport.Js, Bcrypt.Js

Achievements

- JEE MAIN - 1851 (OPEN), Percentile - 99.85
- JEE ADVANCED - 4359 (OPEN)
- Cleared IIIT HYD's UGEE
- Participated in HACKFEST'23, NIT Trichy's BOEING Vertex Hackathon
- Bronze medal in Basketball at Parakram'23
- Participated in INTER IIT(Basketball), Spardha(Basketball)

Extra-Curriculars

Sports-Engagements: Basketball, Badminton, Swimming, Chess, Cricket.

Competitions: unstop.com/u/gopuman6583

Travel Enthusiast: Exploring various cultural heritage sites and travel destinations.