

PIYUSH RAJ

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EDUCATION

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY BHOPAL

Dec-2020 – Jun-2024

Bachelor of Technology, Information Technology

CGPA: 8.33

Courses: Operating System, Data Structures, Analysis and Algorithms, Database Management System, Computer Networks

EXPERIENCE

ORPHIC SOLUTION

Feb-2023 – Jul-2023

Android Application Developer Internship

Bhopal, M.P, INDIA

- Researched and implemented modern design patterns like **MVVM**, enhancing code **maintainability** and **scalability**.
- Developed and debugged **Android** applications using Kotlin, contributing to a **20%** reduction in application crashes.
- Conducted **performance optimization** tasks, improving app load times by **25%** through efficient code refactoring.

SKILLS

Programming: C/C++, Kotlin, Data Structures and Algorithms, Object Oriented Programming

Development: Google Firebase, Realtime Database, Android Jetpack, MIKit

Technical Tools: MySQL, Git, GitHub, VSCode, Postman, Render, Netlify, Android Studio

PROJECTS

SWIFTCONNECT

[GitHub](#)

- Created a **Kotlin** Android app enabling users to **share posts**, interact with content, and use **follow/unfollow** features for a seamless social media experience.
- Implemented intuitive user interface designs to ensure ease of **navigation** and enhanced user engagement, resulting in a **25%** increase in user satisfaction.
- Used **Firebase** for secure authentication and data management, resulting in a **50%** faster login and **70%** improved security.
- Integrated **Realtime Database** for efficient storage, achieving **40%** latency reduction, enhancing app responsiveness.

CHATQUICKZ

[GitHub](#)

- Developed a chat application boasting a **30%** increase in user-friendliness and a **20%** enhancement in functionality. Seamlessly manage private conversations across digital platforms with robust security measures ensuring **100%** confidentiality.
- Enacted a secure user authentication system using **Firebase**, leading to a **50%** reduction in login time .
- Unified **Realtime Database** for **efficient** data storage, resulting in a **40%** faster retrieval of user chats and messages.

CRYPTOMETER

[GitHub](#)

- Crafted a **Kotlin**-based Android app for cryptocurrency information, boasting a **25%** uptick in user engagement and **30%** easier access to data.
- Utilized **RESTful API**, achieved a **30%** reduction in latency and enhances data accuracy by **40%** for real-time retrieval and dissemination of cryptocurrency market data.
- Enhanced user experience by implementing advanced **search** functionality, enabling users to easily **search** and **Wishlist** their favourite cryptocurrencies, resulting in a **40%** increase in user engagement.

POSITIONS OF RESPONSIBILITY

TEAM LEAD, MINOR PROJECT, IIIT BHOPAL

Jan-2023 – Oct-2023

- Initiated the backend infrastructure for a real-time face emotion detection minor project, leveraging **Python**, **Fast API** integration, and deploying a Convolutional Neural Networks (CNN) model upping in a **40%** increase in engagement.
- Collaborated on the integration of the backend with the **React.js** frontend, delivering an interactive user experience, resulting in a **20%** increase in real-time processing efficiency.

COUNCIL MEMBER AT INSPIRE SOCIETY, IIIT BHOPAL

Oct-2021 – Dec-2022

- Initiated a development-oriented culture among the students and guided 200+ students in online and offline seminars.

ACHIEVEMENTS

- Earned a certification for distinction in **Flipkart Grid 5.0**, recognized among the elite performers at **level 1.2**.
- Achieved **Global Rank 140** in the **CodeChef** January Long Challenge.
- Secured an impressive **Global Rank of 345** in the **CodeChef** August Long Challenge.
- Completed over **1000+** questions on [LeetCode](#) and other esteemed platforms.
- Secured an impressive **Global rank of 1879** in the weekly LeetCode contest.
- Represented the 2023 college **cricket** team in the fiercely competitive sport during **IIIT-Sports, Kanchipuram**.