

# Koushik Puppala *Full Stack Developer*

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## 🎓 Education

### Computer Science and Engineer (B.Tech)

Indian Institute of Information Technology, Raichur ✍

Dec 2020 – present (May 2024) | Karnataka, India

I will complete my graduation in May 2024.

### M.P.C Intermediate

Tirumala IIT & Medical Academy ✍

Jun 2018 – Mar 2020

Rajahmundry, Andhra Pradesh, India

## 🌐 Languages

English, Telugu, Hindi

## 🧠 Skills

### Programming Languages

JavaScript, TypeScript, and Python

### Full Stack Development

React, Next.js, Express.js, Node.js and Figma

### Database

MongoDB, MySQL and Firestore

### Tools

GitHub, Firebase, Docker and Canva

### Miscellaneous

Vercel, Heroku, AWS EC2 and Electron

## 🔗 Interests

Open-Source Development | Full Stack Development | MERN Stack Development | Discord Bots Development

## 📁 Experience

### Full Stack Web Developer (Team Lead & Mentor)

Aug 2022 – present | Raichur, India

Indian Institute of Information Technology, Raichur ✍

- Led a team of developers in the achievement of project goals. Fostered collaboration, oversaw allocating responsibilities, and provided guidance and support to team members, resulting in increased productivity and a cohesive work environment.
- Collaborated with faculty, staff, and student organizations to gather requirements and ensure the website met their needs.

### Frontend Developer Internship

Jun 2023 – Jul 2023 | Remote, India

MapleMonk Pvt Ltd ✍

- Used Angular for the front end and React for Apache Superset, an open-source project.
- Added features to the front end, such as a support system for both the client and admin versions and theme customization for the dashboard.
- Added features to Superset, such as a custom date picker and theme customization at the dashboard and chart level.

### Full Stack Developer Internship

Aug 2022 – Sep 2022 | Remote, India

TGH Technologies Pvt Ltd ✍

- A leave management system with React, Figma, Node.js, MongoDB, and Firebase. Features include approval of leave requests by admins and managers and push notifications.

### Full Stack Web Developer (Task Master)

Dec 2020 – Aug 2022 | Raichur, India

Indian Institute of Information Technology, Raichur ✍

- Collaborated closely with a dedicated team to develop and maintain the website, contributing to its success and functionality.
- Provided valuable insights and ideas for improving website design, functionality, and user engagement.
- Quickly learned new technologies and tools, expanded my skill set, and contributed to the team.

## Certificates

The Ultimate Full Stack Web Development Course [↗](#) | The Complete Front-End Web Development Course [↗](#)  
The Complete Full-Stack JavaScript Course [↗](#) | Python for Beginners [↗](#) | AWS Cloud Technical Essentials [↗](#)

## Projects

### IIITR Chatbot

Nov 2023 – Nov 2023

*Natural Language Processing | Course Project*

- A chatbot based on the Feed Forward Neural Network was implemented using Python.
- Designed to assist new students, faculty, and staff in navigating various aspects of college life.

### Deep Learning Based Real-Time Traffic Sign Detection & Classification for Self-Driving Vehicles in Smart City

Aug 2023 – Nov 2023

*Research Project | Mini Project*

- Deep learning models using TensorFlow for detection and recognition achieve high accuracy and low latency.
- Implemented using RCNN, CNN, and Point++ Network written in Python

### SafeRideX

Mar 2023 – Jun 2023

*Blockchain-based Cab Booking System | Mini Project*

- The app was built with Next.js, Tailwind CSS, and MUI for the front end, and Node.js, Express, MongoDB, Third Web, and Firebase for the backend.

### Council of Students Affairs Official Website [↗](#)

Jun 2021 – present

*Indian Institute of Information Technology, Raichur*

- The website includes information on events, clubs, and other opportunities for students. It uses Jekyll as a frontend.

### Official Website [↗](#)

Jan 2021 – present

*Indian Institute of Information Technology, Raichur*

- This website contains all the information about admission, careers, faculty, research, facilities, etc.

### Avengers Assemble [↗](#)

May 2021

*Discord Bots website | dashboard*

- The Discord bot website is built with EJS, Node.js, Express, and MongoDB. The dashboard allows for easy parameter changes. More than 250 commands are accessible with Discord Login.

### Avenger Bot [↗](#)

Feb 2021

*Discord Bot | Multi-purpose*

- Open-source Discord bot with 250 commands, 40 customizable options, extensive logging, advanced auto-moderation, custom playlist support, giveaways, reaction roles, and more.

### E.D.I.T.H Screen Recorder [↗](#)

May 2021 – Aug 2021

*Windows App | Electron*

- Screen recording app built with JavaScript, HTML, and Electron. It can authenticate with Google Drive and automatically post the recorded video to the user's Google Drive.

### Musics\_DJ [↗](#)

Dec 2020 – May 2021

*Discord Bot | Music Player*

- This is an open-source Discord bot using JavaScript and Discord JS. It has numerous music controls, including volume, play, pauses, and skip.

### Portfolio [↗](#)

Dec 2020 – present

*Personal Website | First Project*

- This was my first web development project. It started with basic HTML and progressed to advanced Nextjs code with Typescript. The project is open-source and available on GitHub.

### Project India 2021 [↗](#)

*Project India 2021 Official GitHub Organization*

- India has 50k operational HWCs, and by 2022, 155k SHC, PHC, and UPHC will be converted into HWCs.
- A new technology is being developed to connect HWCs, and an app is being developed to let users find the closest HWCs and get verified information.

## Organizations

### **Google Developer Student Clubs**

Jul 2022 – Jun 2023 | Raichur, India

#### *Google Developer Student Clubs Lead*

- Led and managed the GDSC Club, a technology community focused on innovation and collaboration.
- Coordinated and supervised club activities to ensure successful execution and impactful outcomes.
- Collaborated with other student clubs and organizations to expand the club's reach and promote interdisciplinary collaboration.

### **Indian Institute of Information Technology Raichur**

Sep 2021 – Aug 2022 | Raichur, India

#### *CodeSoc Club Coordinator*

- Coordinated and managed the activities of the Codesoc Club, a vibrant community dedicated to promoting coding culture.
- Organized regular coding workshops and coding competitions, providing valuable learning opportunities for club members. In addition, I managed the club's budget, allocating resources effectively to support club initiatives and events.

### **Google Developer Student Clubs IIIT Raichur**

Sep 2021 – May 2022 | Remote, India

#### *Frontend Lead (GDSC Core Team)*

- Led the front-end development initiatives of the GDSC Club, overseeing a team and driving the successful execution of various projects.
- Stayed updated with the latest trends and advancements in front-end development, sharing knowledge with the team, and organizing workshops or training sessions.
- Served as a facilitator for the Android app development study jam by GDSC India.