# Koushik Puppala Full Stack Developer

### **Education**

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

*Indian Institute of Information Technology, Raichur* ☐ Dec 2020 – May 2024 | Karnataka, India

- Relevant coursework: Data Structures and Algorithms, Software Engineering, Foundations of Machine Learning, Introduction to AI, Natural Language Processing.
- Completed my graduation in May 2024.

### **M.P.C Intermediate**

*Tirumala IIT & Medical Academy* ☑ Jun 2018 – Mar 2020 | Andhra Pradesh, India

## Canguages

English, Telugu, Hindi

## Skills

**Programming Languages** (C, C++, Python, JavaScript, and TypeScript)

**Full Stack Development** (*React, Next.js, Express.js, Node.js, and Figma*)

**ML Utilities** (NumPy, Pandas, PyTorch, Keras, TensorFlow, and Scikit-Learn)

**Database** (MongoDB, MySQL, and Firestore)

**Tools** (*GitHub*, *Firebase*, *Docker*, *and Canva*)

**Miscellaneous** (AWS EC2, Firebase Authentication, Vercel, Heroku, and Electron)

### </> Interests

Open-Source Development | Full Stack Development

## Certificates

## **Experience**

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

Indian Institute of Information Technology, Raichur 🗷

- Led a team of developers, offering guidance and support that enhanced team productivity and boosted website performance by 20%.

### **Frontend Developer Internship**

MapleMonk Pvt Ltd ♂

- Implemented a support system and customized the dashboard theme using Angular, which led to a 15% improvement in performance.
- Custom date picker and theme customization at the dashboard and chart level using React in Superset led to a 20% performance boost.

### **Full Stack Developer Internship**

TGH Technologies Pvt Ltd □

Aug 2022 – Sep 2022 | Remote, India

Aug 2022 – May 2024 | Raichur, India

Jun 2023 – Jul 2023 | Remote, India

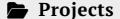
- Implemented a leave management system using React, Node.js, and MongoDB, enabling leave request approvals by admins and managers and integrating push notifications that increased productivity by 20%.

### Full Stack Web Developer (Task Master)

*Indian Institute of Information Technology, Raichur* □

- Collaborated closely with a dedicated team of 10 members to develop and maintain the website, contributing significantly to its success and functionality.
- Enhanced website traffic by 15% through strategic SEO optimization and user-centric design enhancements.

Dec 2020 – Aug 2022 | Raichur, India



IIITR Chatbot Nov 2023 – Nov 2023

Natural Language Processing | Course Project

- Created a chatbot based on Feed Forward Neural Network to assist new college students, faculty, and staff in navigating various aspects of college life, achieving 99% accuracy in responding to user queries.

## Real-Time Traffic Sign Detection & Classification in Self-Driving Vehicles

Aug 2023 – Nov 2023

Research Project | Mini Project

- Developed deep learning models using CNN for detecting and recognizing traffic signs with 98% accuracy and low latency.

SafeRideX Mar 2023 – Jun 2023

Blockchain-based Cab Booking System | Mini Project

- Developed the application's front end using Next.js and Tailwind CSS, and its backend using Express, MongoDB, and Firebase, achieving an impressive performance rating of over 80%.

### Council of Students Affairs Official Website 2

Jun 2021 - May 2024

Indian Institute of Information Technology, Raichur

- The website includes information about events, clubs, and other activities.

### Avengers Assemble 2

May 2021 – Jan 2022

Discord Bots website | dashboard

- The website uses EJS, Express, and MongoDB. The dashboard allows for easy parameter changes for over 250 commands.

#### E.D.I.T.H Screen Recorder

May 2021 - Aug 2021

Windows App | Electron

- Screen recording app with JavaScript, HTML, and Electron.
- Automatically uploads recorded videos via Google Drive with a 99% success rate.

### Avenger Bot 🛮

Feb 2021 – Jan 2022

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.

### Official Website

Jan 2021 – May 2024

Indian Institute of Information Technology, Raichur

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

### Portfolio 2

Dec 2020 – present (May 2024)

Personal Website | First Project

- This project was built on Next.js and Typescript. The project is open-source and available on GitHub. Increase in performance by 10% compared to its previous version.

## Organizations

### **Google Developer Student Clubs** ☑

Jul 2022 – Jun 2023 | Raichur, India

Google Developer Student Clubs Lead

- Led the GDSC Club as a Lead, focusing on innovation and collaboration within the technology community.
- Coordinate and supervise club activities to ensure successful execution and impactful outcomes.

### Indian Institute of Information Technology Raichur

Sep 2021 – Aug 2022 | Raichur, India

CodeSoc Club Coordinator

- Oversaw and coordinated activities within the CodeSoc Club, a community dedicated to promoting coding culture.
- Regular coding workshops and coding competitions provide valuable learning opportunities for club members.

### Google Developer Student Clubs IIIT Raichur

Sep 2021 – May 2022 | Remote, India

Frontend Lead (GDSC Core Team)

- Served as the front-end lead for the GDSC Core Team, executing various front-end development projects and organizing workshops on front-end development trends.