

# Koushik Puppala *Full Stack Developer*

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## 🎓 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

## 🧠 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*)

## 🌐 Languages

English, Telugu, Hindi

## </> Interests

Open-Source Development | Full Stack Development

## 📜 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 ✍

## 👛 Experience

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

Aug 2022 – May 2024 | Raichur, India

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

Jun 2023 – Jul 2023 | Remote, India

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

Aug 2022 – Sep 2022 | Remote, India

TGH Technologies Pvt Ltd ✍

- 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)

Dec 2020 – Aug 2022 | Raichur, India

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.

## Projects

### 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

Jun 2021 – May 2024

*Indian Institute of Information Technology, Raichur*

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

### Avengers Assemble

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

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.