Koushik Puppala *Full Stack Developer*

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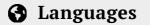## 🎓 Education

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

🌐 Languages

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

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

Software Development Internship — Dec 2023 – present | Remote, India
Upraised® ⧉
- Contributed to the core vision of the company by implementing a seamless authentication process and setting up payments using Stripe, **resulting in a 30% increase in performance**, leveraging technologies like React, Typescript, Docker, and Kubernetes.

Frontend Development 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 20% improvement in performance.**

Full Stack Development 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 Development (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%.**

Full Stack Web Development (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

Modern Official Website   Jan 2024 – May 2024
Major Project | Indian Institute of Information Technology, Raichur
- Created a full-stack web application using Next.js, Turborepo, Sanity.io, MongoDB, Firebase Authentication, and Firebase Storage.
- **Improved performance by 20% compared to the previous website**, delivering a secure, scalable, and high-performance solution.

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   Aug 2023 – Nov 2023
Self-Driving Vehicles
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, advanced auto-moderation, extensive logging, 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 club, a community dedicated to promoting coding culture.
- Regular coding workshops and competitions provide valuable learning opportunities for all club members.