

Prerak Mathur

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EDUCATION

Indian Institute of Information Technology, Lucknow (IIIT-L)

2020 - Present

Bachelor of Technology in Information Technology,

Current CGPA: 8.7/10.0

RELEVANT COURSEWORK

Courses: Advanced Programming Languages, Cloud Computing, Computer Networks, Data Structures, Database Management System, Design and Analysis of Algorithms, Introduction to Programming, Object-Oriented Methodology, Operating System, Probability and Statistics, Software Engineering, System Management.

Certifications: Modern JavaScript ES6 and Working with Big Query by Coursera

EXPERIENCE

Walmart Global Tech | *Software Development Intern*

May 2023 – Present

Collaborated seamlessly with cross-functional teams, spearheading code reviews, showcasing adept problem-solving skills, and exhibiting versatility in adapting to diverse technologies while architecting and deploying software solutions.

Zeko, formerly Qricle | *Frontend Development Intern*

January 2023 – March 2023

Built a dynamic Mobile Web application and Manager's dashboard using NextJS and other advanced frameworks. Transformed user experiences through responsive design and intuitive interfaces, contributing to enhanced customer satisfaction.

Accepted Google Summer of Code 2022 - Score Labs | *Contributor*

June 2022 – September 2022

Pioneered innovative frontend and backend enhancements, elevating user engagement and project performance. Spearheaded the integration of cutting-edge analytics, streamlining user interactions and empowering data-driven decision-making.

Open Source Contributions | *Contributor*

- **AppWrite:** Enhanced user experience by actively contributing to AppWrite's Base and Supporting Project.
- **CircuitVerse:** Elevated end-user experience by addressing issues and enhancing the Main CircuitVerse Directory.
- **Scan8:** Led a thorough Scan8 overhaul, enhancing bug fixing and issue resolution processes.
- **HacktoberFest 2022:** Advanced from Contributor in 2021 to Maintainer for HacktoberFest 2022. Oversaw, assessed, and upheld code excellence and functionality in the world's largest open-source event.

PROJECTS

Drone Development and Data Classification

July 2022 – February 2023

- Managed and led a government funded project with a multidisciplinary team for the *Ministry of Science and Technology* and the Research Team of IIITL.
- Spearheaded the design and construction of an affordable, open-source drone for agricultural data analysis using ML with Mobile integration.

Geet-Hub | *ReactJS, NextJS, TypeScript, WaveSurferJS, Tailwind*

July 2022

- Pioneered the development of an innovative open-source audio platform within a tight 36-hour Hackathon timeline.
- Architected and constructed a comprehensive audio management system, enabling seamless uploading, editing, sharing, listening, and publishing of audio files.
- Catalyzed open-source collaboration within the music and audio community through the Geet-Hub platform.

Faculty Recruitment Portal for IIIT-L | *HTML, CSS, JavaScript, Python, Django, PostgreSQL*

December 2021

- As Frontend Lead ensured responsiveness and stability.
- Developed a portal for candidates applying for professor positions at IIIT-L.
- Utilized candidate details for consideration in the recruitment process.

SKILLS

Competitive Coding: Specialist at CodeForces, 3 Star at CodeChef

Languages: HTML, CSS, JavaScript, TypeScript, Java, C/C++, Python, SQL, Swift

Tools and Frameworks: Angular, Atom, Bash, Bootstrap, ElectronJS, ExpressJS, Flask, Git, GitHub, IntelliJ IDEA, jQuery, Material, MongoDB, MySQL, NextJS, NodeJS, PostgreSQL, ReactJS, Tailwind CSS, Unix Shell, VS Code, Webpack, WaveSurferJS, zsh

POSITIONS OF RESPONSIBILITY

- **Core Member** - Google's Developer Student Club, IIIT-L
- **Senior Member** - FOSS Wing, Axios - Technical Society, IIIT-L
- **Technical Team Lead** - WCARL, Research Team, IIIT-L
- **FOSS Advisor** - Hack-o-fiesta Hackathon, IIIT-L
- **Senior Member** - Goonj, Drama Society, IIIT-L