# Mishal K R

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## PROFESSIONAL SUMMARY

Enthusiastic and dedicated **Software Engineer** with a strong foundation in **full-stack web development**, specializing in **MERN stack (MongoDB, Express.js, React.js, Node.js)**, Next.js and Java. Experienced in building responsive, performant, and accessible web applications using modern frontend technologies like **React, Tailwind CSS, and Next.js**, and robust backends using **Node.js**, **Express**, and **REST APIs**.

Proven ability to design scalable database schemas using **MongoDB, PostgreSQL, and MySQL**. Strong knowledge in **Data Structures and Algorithms**, **Object-Oriented Programming**, and version control systems like Git. Successfully delivered freelance and academic projects with clean code practices and agile collaboration.

Former **Assistant Professor** with a passion for learning and teaching, bringing strong communication, mentoring, and hands-on coding experience. Open to roles in backend, frontend, or full-stack development, with a focus on writing maintainable, production-grade code and continuously improving technical skills.

## TECHNICAL SKILLS

**Frontend**: ReactJS, NextJS, HTML5, CSS3, JavaScript (ES6+), TypeScript, Tailwind CSS
**Backend**: Node.js, Express.js, REST APIs, WebSockets
**Databases**: NoSQL - MongoDB, SQL - PostgreSQL, MySQL
**Programming Languages**: Java, JavaScript (ES6+), TypeScript , Python, C++
**Other Tools & Technologies**: Git, GitHub, Agile (Basic), AWS (S3, EC2 - Basic), VS Code, Postman, npm, Prisma ORM, Turborepo
**Additional Skills**: Data Structures and Algorithms, OOP (Java), JDBC, SEO, Content Writing

## EDUCATION

**Cochin University of Science and Technology** <div align="right">Kochi, India</div>
*M.Tech in Computer and Information Science* <div align="right">*Nov. 2020 – July 2022*</div>

**Cochin University of Science and Technology** <div align="right">Kochi, India</div>
*B.Tech in Computer Science and Engineering* <div align="right">*Aug. 2014 – May 2018*</div>

## PROJECTS

**Portfolio Website** | *React, Framer Motion, Tailwind CSS, Vite, Google Analytics, SEO*     June 2025 – July 2025
- Developed a fast, responsive personal portfolio using React, Vite, Tailwind CSS, and Framer Motion
- Integrated Google Analytics 4 with custom event tracking for user interactions (contact, social, resume, project links)
- Implemented light/dark theme toggle, smooth animations, and SEO meta tagging for better discoverability
- Followed a clean, scalable component-based architecture and optimized performance using Vite
- Ensured accessibility with semantic HTML, alt attributes, and responsive design for all devices
- Deployed via GitHub Pages with version control managed through Git and GitHub

## EXPERIENCE

**Freelance Software Developer** <div align="right">Jan 2025 – Present</div>
*Self Employed* <div align="right">*Remote*</div>
- Worked on full-stack apps using MERN stack, focusing on API development, user auth (JWT), and MongoDB schema design
- Designed responsive UIs with React, Tailwind CSS
- Used Postman for API testing and followed MVC architecture
- Note: Worked on self-initiated freelance projects to deepen expertise in full-stack development; not client-based or publicly deployed

**Assistant Professor / Technical Trainer**      Sep. 2023 – Sep. 2024

*Department of Computer Applications, CUSAT*      *Kochi, India*

- Taught subjects including OOP with Java, Web Technologies and Programming, Python, MongoDB, MySQL
- Guided final-year projects and coordinated class activities
- Conducted labs and hands-on coding sessions for data management and programming courses

**Software Engineer**      Nov 2022 – Feb 2023

*IIT Palakkad Technology IHub Foundation (IPTIF)*      *Palakkad, India*

- Worked on an AI-based Smart Agriculture Project
- Conducted case studies and handled data collection and preprocessing
- Mentored IIT OELP students and contributed to research proposals

## TECHNICAL TRAINING

**Full Stack Web Development Cohort**      Oct 2024 – Present

*100xdevs.com*

- Gained hands-on experience with **MERN stack**: MongoDB, Express.js, React.js, Node.js
- Learned and applied **Next.js** for server-side rendering and optimized React applications
- Styled modern UIs using **Tailwind CSS** with responsive, utility-first design
- Used **Prisma ORM** for type-safe database queries with PostgreSQL
- Designed and tested **RESTful APIs** and backend services using **Express.js** and **Node.js**
- Managed version control and collaboration via **Git** and **GitHub**
- Building full-stack applications as part of the cohort's capstone projects

## ACHIEVEMENTS

**UGC NET 2024** — Qualified with **95.16 percentile** in Computer Science and Applications

**UGC NET 2023** — Qualified in Computer Science and Applications

**GATE Qualified** — **2024**, **2023**, and **2019** in Computer Science and Information Technology

**3rd Rank Holder**, M.Tech in Computer and Information Science, 2022 — Cochin University of Science and Technology (CUSAT)

## CERTIFICATES

**Python for Data Science, AI and Development** — Offered by IBM on Coursera. View Certificate

**Digital Marketing and SEO Course** — Udemy Certificate. View Certificate

## LANGUAGES

**English** — Scored **135/160** in the **Duolingo English Test** (Oct 2024), equivalent to **CEFR C1 - Advanced**. View Certificate

**Malayalam** — Native proficiency

**Hindi** — Working proficiency

**Tamil** — Basic proficiency