

KOUSHIK K V

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Github - <https://github.com/kvk1999>

Netlify portfolio: <https://kvk1999portfolio.netlify.app/>

FULL STACK DEVELOPMENT

SUMMARY

Highly skilled Full Stack Developer with expertise in designing, developing, and deploying scalable web applications. Proficient in **MERN Stack (MongoDB, Express.js, React.js, Node.js) & Database**, with hands-on experience in frontend and backend development. Passionate about optimizing application performance, building responsive user interfaces, and integrating cloud-based solutions. A quick learner with strong problem-solving abilities, eager to contribute innovative solutions in a dynamic tech environment.

TECHNICAL SKILLS

Node JS
React JS
MySQL

HTML
Tailwind CSS
JavaScript

R Programming
MongoDB
Restful API

EDUCATION

Masters in Computer Application (MCA)

2022 – 2024

VELS University, Chennai

Marks: 78%

Bachelor's in Computer Science (B.Sc)

2019 -2022

Dhanraj Baid Jain College, Chennai

Marks: 80%

CERTIFICATIONS

- Full Stack Development Course (MERN) with AI Tools by IIT-M Pravartak & GUVI (2024)
- Full Stack Developer & Internship Certificate (Inlustr0) (2023)
- Az-900 Fundamentals (2024)
- Machine Learning A-Z: AI, Python & R + ChatGPT Prize [2024] (Udemy) (2023)

EXPERIENCE

MagicBus Foundation

Feb 2024 - May 2024

Azure Developer

As an **Azure Developer Intern**, I worked on developing and deploying cloud-based applications using **Azure AI Services, Azure App Services, and Azure Storage**. My role involved creating responsive web interfaces with **HTML, CSS, and JavaScript**, optimizing Azure Cost Management and Billing to improve efficiency, and integrating Azure Cognitive Services to enhance application functionality.

Accomplishments:

- Developed and deployed responsive web applications using **HTML, CSS, and JavaScript** with **Azure App Services**.
- Designed and optimized UI components for seamless user experience on cloud-hosted platforms.
- Integrated Azure AI services for automation and data analysis.
- Worked on frontend development using **HTML, CSS, JavaScript, and React.js**, ensuring seamless user experience.
- Monitored **Azure Cost Management and Billing** to optimize cloud resource usage and reduce expenses.

Full Stack Development

Worked as a **Full Stack Developer** at **Inlustro**, developing and deploying scalable web applications. Built responsive user interfaces using **HTML, CSS, and JavaScript**, and managed backend operations with **Node.js and databases**. Collaborated with teams to enhance application performance and security.

Accomplishments:

- Developed and deployed scalable web applications with **HTML, CSS, JavaScript**, and backend technologies.
- Built responsive user interfaces, ensuring a seamless user experience.
- Collaborated with cross-functional teams to enhance performance and security.
- Optimized application workflows, improving overall efficiency.

GUVI (IIT-M Pravartak)

Aug 2024 - Nov 2024

Full Stack Development (MERN)

Worked as a **Full Stack Developer** at **GUVI**, where I developed and deployed scalable web applications using the MERN stack (MongoDB, Express.js, React.js, Node.js). I built responsive and interactive user interfaces using React.js, styled with CSS, and handled backend operations with Node.js and Express, connected to MongoDB databases.

Accomplishments:

- Developed dynamic web applications using the full MERN stack, ensuring scalability and performance.
- Built responsive, mobile-friendly UI components with React.js and CSS, improving user engagement.
- Designed RESTful APIs with Node.js and Express.js to handle real-time data transactions.
- Integrated MongoDB for efficient data storage and retrieval, including schema design and optimization.
- Implemented authentication, role-based access control, and performance improvements.

PROJECTS

Pathology Classification and Healthcare

- Developed a web-based application for pathology classification using **HTML, CSS, and JavaScript** for the frontend.
- Implemented **Python-based** machine learning models to classify medical data and assist in diagnostics.
- Integrated interactive data visualization for better analysis and insights.
- Enhanced user experience with responsive design and intuitive **UI elements**.
- Ensured secure and efficient data handling to comply with healthcare standards.

Social Media Platform

- Developed a full-stack social media web application enabling users to create profiles, post updates, and interact with others through likes and comments.
- Built the frontend using **React.js, HTML, CSS, and Tailwind CSS**, ensuring a modern and responsive user interface.
- Developed **RESTful APIs** using **Node.js and Express.js** for seamless communication between frontend and backend.
- Implemented **MongoDB** for storing user data, posts, and interactions with efficient schema design.
- Added user authentication and authorization features using **JWT and bcrypt** to ensure secure login and data privacy.
- Integrated real-time features like notifications and live updates using **WebSockets**.
- Employed **MERN Stack** best practices for scalable and maintainable code structure.
- Conducted testing and debugging to ensure smooth deployment and optimal performance.