

Vijay Bharvad

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Objective

Computer Science graduate student with expertise in full-stack development, AI integration, and cloud computing. Skilled in React.js, Node.js, and MongoDB, with a focus on building efficient and scalable applications.

Education

Illinois Institute of Technology

M.S. Computer Science GPA 3.5/4.0

Chicago, IL

Aug 2023 – May 2025

Charotar University of Science and Technology

B.Tech. Information Technology GPA: 3.6/4.0

INDIA

Aug 2019 – May 2023

Technical Skills

- Programming Skills: Java, JavaScript, TypeScript, Python, C, C++, Html, CSS, Dart, PHP, SQL, Node.js
- Technology: FastAPI, CI/CD, GraphQL, MongoDB, Flutter, Docker, Elasticsearch, Azure, GCP, AWS
- TOOLS: VScode, Android Studio, Product Development

Work Experience

Software Engineer Intern

NEW EIC

May 2024 – Aug 2024

Boston, MA, USA

- Developed a highly dynamic and scalable web application using React, TypeScript, and Material-UI, ensuring a seamless and intuitive user experience with optimized UI components and efficient state management via Formik.
- Architected and implemented robust backend services using Node.js, Express.js, and MongoDB, designing RESTful APIs for high-performance data handling, seamless CRUD operations, and secure, scalable database interactions.

Full-Stack Developer Intern

Baroda Web

Jan 2023 – May 2023

Vadodara, India

- Spearheaded the design and development of a web application for a restaurant and over 3 e-commerce websites using .Net Framework, strengthened functionality, and user experience.
- Transformed restaurant operations by integrating an advanced management system, reducing table turnover time by 25% implementing flexible menu pricing, and automating orders, leading to a 20% increase in customer satisfaction

Web Developer Intern

Finlark Technologies

April 2022 – July 2022

Ahmedabad, India

- Architected a Netflix-style online video streaming platform using the Laravel Framework, managed over 100 movie titles, and supporting 50+ user interactions, aiming to significantly boost the streaming experience. the optimization of user interfaces, video content, and playback technologies, which was projected to result in a 30% increase in user retention.

Projects Experience

Quick-Serve (Food Delivery app)

- Developed the Quick-Serve Food Delivery app using React@MUI, Node.js, and OpenAI API, integrating Elasticsearch and MongoDB for efficient data handling, enabling AI-powered Quickchat for ordering and support, optimizing restaurant management and delivery tracking, and enhancing customer experience, reducing delivery time by 25% while processing 500+ test orders.

School Blogging Platform

- Developed an advanced blogging platform for academic communities using React@MUI, Node.js, and APIs like OpenAI, SerpApi, and OpenWeatherMap, integrating role-based access for five user types, Elasticsearch and MongoDB for secure content management, and an AI-powered chatbot for automated responses, enabling 100+ post interactions and boosting user engagement by 30%.

Smart Homes

- Developed a Smart Homes E-commerce website using Java Servlets, HTML, CSS, and JavaScript, integrating a robust review system, user role management, and an analytics dashboard with MySQL Workbench and MongoDB, enabling data-driven decisions for retailers, supporting 100+ product listings, and processing 500+ reviews to enhance efficiency and user experience for customers and sales teams.