

Vageesh Hegde

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Education

Frostburg State University, Frostburg, USA

December 2024

Master of Science in Computer Science

GPA 3.8

Nitte Meenakshi Institute of Technology, Bengaluru, India

August 2022

Bachelor of Science in Mechanical Engineering

GPA 3.64

Skills

- **Software:** VS Code, Eclipse, Firebase, Google Analytics, Cascade CMS, MySQL, Git, GitHub, CATIA, Fusion 360, FANUC, PowerPoint, Excel, Word, draw.io
- **Programming & Markup Languages:** JavaScript, Java, Python, PHP, HTML, CSS, MATLAB, C++
- **Databases & Query Languages:** MongoDB, MySQL, Neo4j, Firebase, SQL, Cypher
- **Backend and Frameworks:** Node.js, PHP, Django, React.js, Express.js, Bootstrap, AJAX, Chart.js

Experience

Frostburg State University

Frostburg, MD, USA

Web Developer & IT Support

September 2023 – May 2024

- Redesigned the university website to ensure content accuracy, engagement, and relevance
- Developed front-end using HTML and CSS, collaborated with two departments (engineering and nursing), and utilized Cascade CMS for content management and updates
- Handled installation and maintenance of operating systems, antivirus programs, and peripheral devices like printers and scanners
- Conducted usability testing and incorporated user feedback to enhance the overall user experience on the website

Shakti Gym Town

Sirsi, KA, India

Front-end Developer

June 2023 – August 2024

- Developed a full-stack web application using HTML, CSS, JavaScript, Node.js, and MongoDB, meeting client specifications
- Hosted the site on Firebase, integrating Google Analytics and Firebase Realtime Database for performance tracking and data management for over 300 members
- Delivered the project on time in 2024, ensuring smooth functionality and ongoing maintenance, which increased new gym memberships by 10% and enhanced my web development skills

Prototype for Hotel Management System

Frostburg, MD, USA

Full-stack Developer

January 2024 – May 2024

- Developed a hotel management system as part of a three people team, managing both front-end and back-end tasks, including creating a staff/admin dashboard for bookings and guest records
- Integrated SQL joins, views, stored procedures, and triggers for efficient data handling and built the system using EJS for server-side rendering, enabling dynamic HTML generation. We followed the Agile methodology for iterative and collaborative development, ensuring continuous improvement and alignment with project goals
- Executed smooth CRUD operations, resolved integration challenges, and ensured seamless booking and management functionalities

Certification

Cypher Fundamentals Certification, Graph Academy

Neo4j Fundamentals Certification, Graph Academy

Six Sigma Yellow Belt, MSME – Technology Development Centre, India