Dilip Bukkambudhi Ganesh

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Objective

Master's student in Computer Science with experience in full-stack and backend development, building RESTful APIs, data-driven applications, and AI-assisted systems. Seeking New Grad Software Engineer roles focused on scalable and reliable software solutions.

Portfolio: https://dilipvcu.github.io/portfolio-1.github.io/

Education

Virginia Commonwealth University, Richmond, VA   Expected Graduation: May 2026
Masters of Science in Computer Science
GPA:3.5

CMR Institute of Technology   June 2020- June 2024
Bachelors in Computer Science

Relevant Courses

Introduction To Data Science, Machine learning,Memory And Malware Forensics, Software Engr For Ai-Enabled, Human Ai Interaction, Image Analysis, Cryptocurrency And Blockchain.

Skills

Languages & Core: Python, Java, JavaScript, C , OOP, Data Structures & Algorithms.
Web & Backend: React, HTML5, CSS3 , Node.js ,RESTful APIs, JWT/Auth, MongoDB.
DevOps & Tools: AWS, Docker, Linux, Git/GitHub,Postman ,Testing (JUnit, Pytest).

Relevant Experience

Web Development Intern, Patil Clinic   Mar 2024 – Aug 2024
•Developed and maintained the clinic's website to improve patient access to services
•Implemented responsive UI and optimized site performance
•Collaborated with clinic staff to align features with operational needs

Full Stack Intern, TekkyBench   Jan 2023 – Jun 2023
• Collaborated with the development team to design, develop, and maintain responsive web pages
• Contributed to front-end improvements using HTML5, CSS, and JavaScript, ensuring mobile-friendly layouts
• Assisted in backend integration with MySQL and Java, improving data handling efficiency.

Projects

Debt Manager
•Developed an interactive debt analysis application to evaluate loan amount, interest rate, and tenure for personalized repayment planning
•Implemented AI-assisted repayment strategy generation using LangGraph and OpenAI API to minimize interest and reduce payoff duration
•Modeled repayment timelines and visualized financial projections using Pandas and Matplotlib to support informed decision-making

Expense tracker — Independent
•Built a full-stack expense tracking application with secure authentication, RESTful APIs, and real-time expense updates using Node.js and MongoDB
•Designed and implemented a responsive React frontend for expense entry, visualization, and user session management.

Amusement Park Management System — Independent
•Designed and implemented a system to digitize ticketing, ride booking, and customer record management
•Built functionality for ticket validation, ride scheduling, and customer data handling to streamline park operations
•Developed reporting modules to generate insights on customer footfall, ride utilization, and daily revenue