

# Upendra Dommaraju

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## Skills

**Languages:** Python, HTML, CSS, Bootstrap, JavaScript, SQL, MongoDB

**Frameworks:** Django, NumPy, Pandas, PyTest

**Tools:** GIT, Visual Studio Code, MySQL, GitHub

**Additional Skills:** Data Structures and Algorithms, Problem Solving, Object-Oriented Design, Design Patterns, Low-Level Design, Agile Methodologies, Unit Testing, Operating Systems, Database Management Systems, Version control.

## Education

**University of Dayton**

Dayton, Ohio

**M.S., Computer Science; GPA: 4.0**

Jan 2024 - Dec 2025

Courses: Advance Programming and Data Structures, Software project management, Software Engineering

## Work Experience

**Accenture, Chennai, India** Aug 2022 - Oct 2023 **Associate Software Engineer**

- **Led a team of developers in an agile environment**, ensuring smooth sprint cycles and the on-time delivery of three high-impact web applications, all of which were launched ahead of deadlines and received exceptional feedback from both internal stakeholders and end-users.
- **Resolved 15+ critical UI/UX issues**, significantly enhancing user engagement and driving a 25% increase in overall user satisfaction metrics.
- **Optimized web application performance**, reducing page load times by 30% through advanced code refactoring and efficient resource utilization.
- **Collaborated with cross-functional teams**, including UX/UI designers and QA engineers, to align with product requirements and deliver a user-centered design that met both functional and aesthetic goals.
- **Utilized modern front-end technologies**, such as JavaScript, to boost web application efficiency by 40% and scalability by 50%, resulting in a more robust, scalable, and future-proof product.

**Verzeo, Bangalore, India** Nov 2021 - Mar 2022 **Web developer Intern**

- **Enhanced the site's visual appeal and user experience** by implementing advanced CSS and JavaScript techniques, resulting in a 25% increase in user retention and creating a more modern, streamlined web presence.
- **Applied responsive design principles and leveraged modern front-end frameworks**, delivering a sleek, polished website that improved cross-device compatibility and user engagement.

## Project Work

- **Finance Dashboard with Machine Learning Predictions (Work in Progress - Team):** Leading the development of a financial dashboard designed to analyze and predict financial trends, enabling users to make data-driven decisions. Leveraging *Python* for advanced *data analysis*, integrating *interactive chart visualizations*, and implementing a *Random Forest Classifier for predictive analytics*. This project aims to enhance financial forecasting accuracy by 20%, utilizing cutting-edge *data visualization* libraries to provide actionable insights. (Expected completion: Jan 2025)
- **Blogging Platform:** Developed a full-stack web application that enables users to create, post, and manage blogs and articles. Implemented a clean, responsive design to ensure seamless user interaction across devices using *HTML*, *CSS*, and *JavaScript*, while efficiently managing content storage and retrieval with *SQL*. This project provided an intuitive and dynamic user experience with secure data management.

## Awards and Certificates

- **Achieved academic excellence**, maintaining a 4.0 GPA in the first semester, and received commendation from the professor for exceptional performance in Computer Science coursework (May 2024).
- **Solved 300+ coding problems across various platforms**, demonstrating strong problem-solving skills and a deep understanding of algorithms and data structures.
- **Secured first place** in a competitive coding hackathon hosted by Bharath University, India, demonstrating strong problem-solving and coding skills (March 2022)