Narein Boddapati

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Education

University of Cincinnati   Expected May 2028
Bachelor of Science in Computer Science (GPA: 3.79 / 4.00)   *Cincinnati, OH*
- **Relevant Coursework:** Probability and Statistics, Discrete Computational Structures, Linear Algebra

Experience

Danlaw   Jan 2025 – Present
Software Applications Intern   *Novi, MI*
- Enhance an existing Angular application by creating new pages, modifying functionalities, and improving the designs to deliver responsive and user-friendly features
- Author and maintain comprehensive API documentation using OpenAPI specification, ensuring clarity and accessibility for developers and stakeholders
- Collaborate with other team members to troubleshoot, debug and deliver high-quality solutions while actively contributing to successful project outcomes

University of Cincinnati   Aug 2024 – Dec 2024
Engineering Design Teaching Assistant   *Cincinnati, OH*
- Assisted students during in-class activities and peer mentoring sessions, providing targeted assistance to enhance their understanding and engagement with course material
- Collaborated with the teaching team to evaluate assignments, exams, and project demonstrations, ensuring fair and consistent grading while offering insights for continuous improvements
- Facilitated hands-on learning experiences in the classroom, helping students apply theoretical knowledge through practical exercises and problem-solving activities

Projects

E-Commerce Linear Regression Model | *Python, Linear Regression Model*
- Developed and trained a Logistic Regression model to predict customer purchasing behavior using real-world e-commerce dataset, achieving a prediction accuracy of over 94%
- Performed comprehensive data pre-processing and feature engineering, including outlier detection, missing value handling, and correlation analysis to enhance model performance.
- Visualized key insights through matplotlib, such as purchase trends and feature relationships, to support data-driven decision-making

Investment Calculator | *HTML/CSS, Typescript, Angular*
- Developed this web application with Angular as the front-end framework, utilizing Typescript, HTML and CSS for responsive and user-friendly design
- Leveraged Angular's component-based architecture to implement real-time calculations and present detailed investment results, including total interest earned and cumulative amount, through an intuitive interface
- Implemented real-time data binding to dynamically display annual growth and total interest earned

Restaurant Management System | *Python*
- Developed a Python-based Restaurant Management System to manage menu items, process orders, and calculate bills, incorporating a user-friendly command-line interface for seamless interaction
- Designed and implemented a modular, scalable codebase to ensure maintainability and adaptability for future enhancements.

Technical Skills

Languages: Python, C++, JavaScript, Typescript, MySQL, HTML/CSS, Matlab, VBA, LabView
Technologies: Angular, Numpy, Pandas, Matplotlib, Open API
Certifications: Intro to Machine Learning, Performing a Technical Security Audit and Assessment
Developer tools: Git, GitHub, VS Code, Visual Studio, PyCharm, Webstorm, Swagger