

PAVAN ONTEDDU

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EDUCATION

Masters in Computer Science

Graduating December 2024

California State University, Long Beach, CA

4.0 GPA

College of Engineering

Relevant coursework: Advanced Analysis of Algorithms, Advanced Topics in Programming Languages, Advanced Software Engineering, Operating Systems, Computer Networks, Compilers

TECHNICAL SKILLS

Programming: Python, Java, C++, C

Cloud Technologies: AWS

Web Technologies: Flask, HTML, CSS

Database: SQL, MySQL

Tools: Git, GitHub, Visual Studio

EXPERIENCE

Craftsvilla, India: Junior Software Developer - Backend

Sep 2020 – Dec 2020

- Collaborating with the front-end developers and other team members to establish objectives and design more functional, cohesive codes to enhance the user experience.
- Develop back-end components to improve responsiveness and overall performance.
- Write clean, well-designed back-end code and reusable classes.
- Recording and reporting data to appropriate parties, such as vendors or leadership.

ACADEMIC PROJECTS

BugHound: A Bug Tracking System ([Github](#))

Apr 2024

Led the development team in creating a comprehensive bug tracking tool as part of a software engineering course.

- Designed and implemented BugHound, a web-based bug tracking system using Flask, MySQL, and Bootstrap, which facilitated bug reporting, tracking, and resolving, thereby enhancing software development efficiency.
- Engineered advanced search functionalities and a responsive user interface to improve usability and user experience significantly.
- Developed and optimized the database schema and SQL queries, ensuring robust data management, integrity, and system performance.
- Collaborated with team members on system integration and implemented security measures to safeguard data and maintain confidentiality.

Conversational AI Powered Medical Chatbot ([Github](#))

Dec 2020

Collaborated in a team of three to design a python flask-based web application.

- Developed a Conversational AI Powered Medical Chatbot project that seamlessly translates speech inputs into text using text-to-speech technology, effectively capturing user symptoms for analysis.
- Utilized Python Flask for the frontend interface, allowing for user-friendly interactions and smooth information exchange.
- Leveraged Natural Language Processing (NLP) techniques to process and analyze user inputs, enabling the chatbot to suggest optimal medicines based on the symptoms identified.

CERTIFICATIONS

- Certified for completing Fundamentals of Architecting Scalable Cloud Solutions - RedHat Academy.
- Certified for completing Enterprise Cloud Solutions - RedHat Academy.
- Python for Data Science and AI - Coursera.

ACHIEVEMENTS

- Graduate Aptitude Test in Engineering (GATE) - 2022, Organized by IIT Kharagpur, Score: 482 (Qualified).
- GATE - 2021, Organized by IIT Bombay, Score: 327 (Qualified).