Guttapati Jayasurya Reddy

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Education

University of Florida, Gainesville **Jan 2024 – Dec 2025**
Computer and Information Science Engineering *GPA: 3.72/4*
Relevant Coursework: Data Engineering, Computer Networks, Software Engineering.

Bennett University, Greater Noida **July 2020 – Dec 2023**
Bachelor of Technology in Computer Science and Engineering
Relevant Coursework: AIML, Deep Learning, NLP. *CGPA: 8.5/10*

Technical Skills

Languages: Python, Java, C++

Web technologies: HTML5, CSS3, JavaScript, jQuery, Bootstrap, React JS, Express JS, Node JS.

Specialization: Machine Learning, Deep Learning.

Platforms and Frameworks: MySQL, MongoDB, Google Analytics API, Django, streamlit.

CS Fundamentals: Object Oriented Programming, Operating Systems, DBMS, Computer Networks, Software Engineering.

Others: VSCode, Pandas, Git, GitHub, Selenium, Ranorex, OpenCV, Microservices, REST, JSON, XML, Agile.

Projects

Text Redaction System - Python, NLP, Data Privacy

* Developed a robust command-line tool for automated censoring of sensitive information in text documents using Python and NLP libraries.
* Implemented multi-faceted redaction capabilities for names, dates, phone numbers, addresses, and concept-based content using SpaCy and custom algorithms.
* Engineered an efficient text processing pipeline with glob-based file handling, supporting batch operations on multiple files and generating detailed redaction statistics.

EasyConsult HealthCare — React, Express, Node.JS, MongoDB, WebSocket, MERN

* Spearheaded the development of Easyconsult addressing challenges in doctor-patient interaction and enhancing medical instruction adherence. Established WebSocket communication for seamless real-time updates during doctor-patient consultations.
* Engineered a dynamic QR code system for live consultations, streamlining the onboarding process.
* Decreased the consultation time more than by 30% and improved post consultation clarity for patients and doctors.

Movie Recommender System — Python, streamlit, HTML5, CSS3, Pandas, Requests, Pickle.

* Developed a personalized movie recommendation system using cosine similarity, enhancing user experience by suggesting films based on individual preferences.
* Implemented the recommendation algorithm in Python, utilizing libraries such as Pandas and Scikit-learn to process and analyze movie data efficiently.
* Created a user-friendly interface allowing users to select their favorite movie and receive tailored recommendations, demonstrating practical application of machine learning concepts in a real-world scenario.

Certifications and Achievements

- University of Florida Scholarship: Awarded **$4,500** for academic excellence.
- Data Structures and Algorithms: GFG
- AWS academy – Machine Learning: AWS