Santosh Kanumuri

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Skills

Languages: Python, C, Java, JavaScript, SQL, MongoDB
Technologies & Tools: Git, Selenium, AWS, Heroku, Linux, ReactJS, Flask, Django
Libraries: Pandas, NumPy, Requests, Empath, Scikit-Learn, Matplotlib, BeautifulSoup, PyMongo, Pinecone

Work Experience

Texas Tech University   September 2023 - Present
Graduate Assistant

- Boosted data retrieval efficiency by 40% with Python-based systems for unstructured data extraction and analysis.
- Optimized data pipelines for patent and investor datasets using Pandas and MongoDB, enhancing speed and accuracy.
- Integrated and automated Twitter and YouTube APIs for data fetching and analysis in research projects.
- Developed backend services with Streamlit for effective data visualization and front-end support.
- Utilized NLP with Python, Pandas, NumPy, Matplotlib, Beautiful soup, Scikit-Learn, MongoDB, Pinecone, and Selenium for advanced data analysis and modeling.

PricewaterhouseCoopers   July 2022 – July 2023
Full Stack Developer

- Developed an internal target tracker web application for CitiBank, increasing system efficiency and user engagement.
- Built a centralized platform for task tracking, assignment details, and client feedback, streamlining project management.
- Optimized internal processes and communication, enhancing project workflow for CitiBank.
- Python, JavaScript, HTML, CSS, Django, ReactJS, REST API, Amazon Aurora, Git, Postman

Systema Automation   Feb 2022 – Jun 2022
Python Developer Intern

- Developed a Python-based web app using Django, enhancing user engagement through improved metrics visualization.
- Integrated real-time data from APIs, improving data accuracy by 25%.
- Led a team of three developers, achieving a 100% on-schedule project completion rate.
- Designed a dynamic dashboard, improving user satisfaction.
- Implemented responsive design, increasing mobile user access by 40%.
- Python, Django, APIs, JavaScript, HTML, CSS, Responsive Design

Education

Texas Tech University   Aug 2023 - May 2025
Master of Science in Computer Science   *CGPA: 3.75/4.00*
Relevant Coursework: Neural Networks, Advanced Operating Systems, Parallel Processing, Computer Security, Cryptography, Applied Data Science

Project Work

- **Course Availability Tracker** (Sep 2024): Developed a full-stack application using JavaScript, Flask, and React to track university course availability. Deployed on Heroku and Netlify. *Skills: Python, Flask, MongoDB, JavaScript, React, Heroku, Netlify*
- **YouTube Emotion Analyzer** (June 2024 – July 2024): A Streamlit app that searches YouTube for videos based on keywords, downloads them, summarizes content using the Gemini API, and visualizes emotional trends.*Skills: Python, Streamlit, YouTube API, Gemini API, Data Visualization, Emotion Analysis*
- **Automated Results Scraper and CGPA Calculator** (Nov 2021 – Dec 2022): Developed a Telegram bot with Selenium for automating grade extraction and GPA calculation. *Skills: Python, Selenium, Telegram API, Heroku, Web Scraping*