Brandt Davis

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TECHNICAL SKILLS

Languages:	Frameworks:	Databases:	Other:
JavaScript	React	PostgreSQL	Git
HTML	Node.js	MySQL	Linux (Ubuntu)
CSS	Next JS	MongoDB	AWS
SQL	Flask	Google Firestore	Docker
Python	Django		REST APIs
Java	React Native		Bash
			Data Analysis

WORK EXPERIENCE

Software Developer   *April 2023 – Present*
Army Cyber Institute

- Led the comprehensive development of platforms for data management and artificial intelligence security testing within a collaborative 4-member team, actively contributing to both front-end and back-end development
- Developed a web application using JavaScript, React, Python, Flask, PostgreSQL, and Docker for social media data visualization, demonstrating proficiency in REST architecture
- Implement exact replication of UI mockups, ensuring seamless integration of visual elements according to specifications, resulting in a polished and user-friendly front-end experience
- Fine-tuned Llama 2 Large Language Model (LLM), enhancing its performance for decision support in cyber defense operations
- Actively participate in weekly meetings with the team for requirements gathering and design discussions, ensuring project alignment with objectives
- Ensure top-notch code quality by proactively refactoring code, organizing the codebase, and implementing maintainable, scalable solutions
- Played a pivotal role in securing a significant amount of money in funding for the organization
- Provide guidance and mentorship to an intern, facilitating their meaningful contributions to development tasks

EDUCATION

Bachelor of Science, Computer Science   *November 2022*
Western Governors University | Salt Lake City, UT

PROJECTS

Car Budget Predictor   *November 2022*
Full Description | GitHub

- Developed a highly accurate linear regression model using Scikit-learn, achieving 99% accuracy by analyzing a dataset of 500 rows
- Conducted in-depth analyses of correlations among various customer attributes, including age, annual salary, and net worth, and their respective provided car budgets
- Demonstrated the ability to apply advanced data analysis and machine learning techniques effectively to solve real-world problems

Delivery Route Algorithm   *September 2022*
Full Description | GitHub

- Implemented an efficient greedy algorithm in Python to determine the optimal delivery route from a pool of 27 locations, prioritizing proximity and minimizing transportation costs
- Enhanced the algorithm's capabilities by integrating multiple package constraints, including delivery deadlines and truck capacity

Bar Dash   *August 2021*

- Conceptualized, designed, and developed a mobile application prototype using the React Native framework
- Integrated Google Firestore as the database for the project, resulting in data availability rates of over 99.99%
- Created a seamless user login and registration experience with multi-factor authentication for added security