PRASHANTH DUSSA

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EDUCATION

MS in Computer Science — **Expected May 2024**
Arizona State University — Tempe, United States
Bachelor of Technology in Computer Science — **June 2021**
DR BR Ambedkar National Institute of Technology — Jalandhar, India

TECHNICAL SKILLS

Programming Languages: C, C++, Java, Python.
Front-End: HTML, CSS, JavaScript, jQuery, ReactJS.
Tools, Databases, and OS: SQL, Node.js, MongoDB, Spring Boot, Android Studio, Git, GitHub, Windows, macOS, Linux/Unix.

PROFESSIONAL EXPERIENCE

Senior Analyst — **June 2021 - July 2022**
eClerx Services Limited — **Pune, India**

- Incorporated Asset Control software with SQL for the database and Python/Linux for the backend, reducing errors by 50% and improving efficiency in financial data processing.
- Optimized client data using SQL commands to filter redundant information, and resolve invalid/null data issues, achieving a 40% reduction in errors. Enhanced data accuracy for informed business analysis and decision-making.
- Revamped the Asset Control Environment by monitoring and resolving critical back-end issues. Leveraged Python and Linux commands in JIRA to achieve a remarkable 30% decrease in system downtime, enhancing overall system stability.
- Served as the first point of contact for US and UK-based financial market clients, ensuring client satisfaction and prompt issue resolution.

RELEVANT PROJECTS

Image Recognition — **August 2022 - December 2022**
Mobile Computing, ASU — **Tempe, United States**

- Architected a seamless mobile application through Android Studio, allowing users to capture and submit handwritten digit images, streamlining the data collection process by 50% and enhancing user experience.
- Pioneered the development and deployment of a highly efficient Flask server, incorporating an artificial neural network for accurate digit recognition, and optimizing image processing speed with an efficiency of 90%.
- Incorporated real-time feedback features within the mobile application, providing users with instant validation and correction suggestions for handwritten digit submissions, resulting in an improved and user-friendly experience.

Face Mask Detection System — **July 2020 - December 2020**
Machine Learning — **Jalandhar, India**

- Engineered an advanced face mask detection system leveraging deep learning algorithms with Keras, TensorFlow, and NumPy; reduced manual monitoring efforts by 80%, enabling real-time identification of mask compliance.
- Conducted validation procedures, resulting in a high level of accuracy of 95% in real-world scenarios, ensuring reliable and precise outcomes.

Home Rentals — **June 2020 - August 2020**
Web Development — **Jalandhar, India**

- Developed a highly functional website for tenants, revolutionizing the house search process and simplifying owner registrations.
- Enhanced front-end architecture with HTML, CSS, JavaScript, and jQuery for a seamless user experience.
- Spearheaded the development of a cutting-edge back-end architecture using Node.js and MongoDB, enabling streamlined data storage and retrieval, resulting in a 30% reduction in server processing time and revitalizing overall system performance.
- Implemented responsive design principles to ensure optimal user experience across devices, making the website accessible and user-friendly for tenants and property owners on both desktop and mobile platforms.
- Technologies- HTML, CSS, JavaScript, jQuery, Node.js, MongoDB, git, GitHub, Heroku.

CERTIFICATIONS

- Linux Shell Scripting, Udemy, June 2021
- Perl5, Udemy, June 2021
- MySQL and Database Design, Udemy, June 2021
- PostgreSQL, Udemy, June 2021
- Machine Learning for All, Coursera, May 2020