Pauleena Phan

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EDUCATION

California State University, Fullerton, CA **May 2024**
Major: Bachelors of Science in Computer Science GPA: 3.29

SKILLS

Programming Languages: Javascript, HTML/CSS, Typescript, Python
Frameworks: React, React Native, Node.js, Express.js, Tailwind CSS
Developer Tools: Git, Github, VS Code, Firebase, MongoDB, Postman

EXPERIENCE

Data Science Research Assistant | CSU Fullerton **May 2023 - August 2023**
- Developed a binary classification model to predict heart disease by applying Gaussian Naive Bayes for efficient handling of continuous and discrete data, improving prediction accuracy
- Leveraged Google Colab, NumPy, and scikit-learn to preprocess data, train models, and evaluate results, ensuring streamlined workflows and reproducible outcomes
- Analyzed dataset characteristics and validated Gaussian assumptions to tailor the model for optimal performance, enhancing its reliability for health-focused predictions

Quality Assurance Technician | Prudential Overall Supply **March 2025 - Present**
- Enhanced data integrity by meticulously verifying and updating product information in the database, minimizing discrepancies and ensuring seamless inventory tracking.
- Verified clothing labels against supplier records to ensure accurate sizing, codes, and tags, preventing shipment errors and maintaining compliance with order specifications.
- Streamlined record-keeping processes by systematically tracking inspections in a high-speed environment, boosting operational efficiency and data traceability.
- Managed inventory by accurately counting and organizing items, categorizing products by plant destination to optimize order fulfillment and minimize discrepancies.

PROJECTS

SetFinder Github | Project Link
- Developed a unified music platform that centralizes tracks from YouTube and SoundCloud, allowing users to access music from both sources in one place.
- Implemented a cron job with Firebase Functions to automatically fetch trending and new releases weekly, ensuring users always have access to the latest music.
- Built the app with Next.js and Firebase to handle user authentication and manage the database, providing a seamless and secure user experience.

MeowPop Github | Project Link
- Developed a scalable e-commerce platform using React, Express, MongoDB, and Amazon S3, enabling fast product retrieval and improving user satisfaction through smoother navigation.
- Enhanced user security by implementing Passport.js and JWT for authentication, ensuring reliable protection of sensitive user data and fostering trust.
- Improved backend reliability by designing and running unit tests with Jest, delivering a more stable application with consistent API performance.