

Pauleena Phan

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EDUCATION

California State University, Fullerton, CA
Major: Bachelors of Science in Computer Science

May 2024

SKILLS

Programming Languages: Javascript, HTML/CSS, Typescript

Frameworks: React, React Native, Node.js, Express.js

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

PROJECTS

Cattagram

[Github](#) | [Project Link](#)

- Built and launched Cattagram, a social media platform for cat enthusiasts, by utilizing React and Firebase to create a dynamic user interface, resulting in a seamless and interactive user experience.
- Enhanced community engagement by developing key features such as post creation, likes, comments, and friend interactions using React, fostering increased user participation.
- Achieved real-time updates and secure data handling by integrating Firebase for synchronization and storage, ensuring a responsive and reliable platform.

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.

MentalMe

[Github](#) | [Expo Barcode](#)

- Built a mental health mobile app using React Native, allowing users to track and improve their well-being through daily tasks.
- Developed a rewards system by tracking completed tasks in Firebase, boosting user engagement and encouraging consistency.

RELEVANT COURSEWORK

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|-------------------|-------------------------|--------------------------------|
| • Data Structure | • Front-End Engineering | • Databases and Applications |
| • Object Oriented | • Back-End Engineering | • File Structure and Databases |