

Dinh Pham

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EDUCATION

- **Edmonds Community College** Lynnwood, WA
Highschool Diploma; GPA: 3.9 2018 - 2019
- **Dallas Community College** Dallas, TX
Associate of Science in Computer Science; GPA: 3.9 2020 - 2022
- **The University of Texas at Dallas** Dallas, TX
Bachelor of Computer Science; GPA: 3.9 2022 - 2024
 - **Relevant Coursework:** Software Engineering, Discrete Maths, Data Structures, Database Management Systems, Software Security, Automata Theory, Machine Learning.

PROJECTS

- **Predicting Crime Rates:** Developed a **Python** system using **Linear Regression** to predict future crime rates based on historical data for a city of 500,000 residents, achieving a prediction accuracy of over 50%. This project involved data preprocessing, feature selection, and model evaluation.
- **Cybersecurity Intrusion Detection System:** Designed and implemented a real-time intrusion detection system using **Random Forest** and **Support Vector Machine** algorithms in **Python** for a company with 10,000 daily users. The system was able to detect and prevent cyber threats with an accuracy of 90%, significantly improving the security posture of the network.
- **E-commerce Recommendation System:** Developed a recommendation system for an e-commerce platform with 50,000 active users using **collaborative filtering techniques**. The system increased sales by 15% by providing personalized product recommendations to users.
- **Healthcare Data Analysis:** Led a team to develop a data analysis platform for a healthcare company with 20 hospitals using **Python** and **SQL**. The platform processed and analyzed large datasets to provide insights into patient health trends and hospital performance. This resulted in a 15% improvement in patient care efficiency and a 10% reduction in operational costs.
- **Autonomous Vehicle Navigation System:** Built a navigation system for an autonomous vehicle as part of a capstone project. The system used sensor data and **Reinforcement Learning algorithms** to safely navigate the vehicle in a simulated environment, reducing navigation errors by 25%.

VOLUNTEER EXPERIENCE

- **Cindi's NY Delicatessen and Bakery**, Dallas, TX (Oct 2021 - Present) - *Togo and Cashier*
 - Contributed to a team-oriented environment as a volunteer.
 - Interacted and communicated with customers and colleagues to provide excellent services.
 - Demonstrated strong multitasking skills by handling and prioritizing various tasks effectively.

SKILLS

- **Languages:** Java, Python, C, C++, SQL
- **Frameworks:** Flask, Django, Spring
- **Tools:** Git, PyCharm, VS Code, Visual Studio, IntelliJ, Eclipse, Gradle, MySQL

CERTIFICATIONS & LICENSES

- **Google Cybersecurity Professional Certificate**
- **Career Essentials in Cybersecurity** by Microsoft and LinkedIn
- **Career Essentials in Generative AI** by Microsoft and LinkedIn