

D H R U S H A L G A D A

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OBJECTIVE

A versatile professional with expertise in software development, full-stack web development, and a solid foundation in OOP and data structures. Experienced in DevOps, managing CI/CD pipelines, and deploying scalable applications. Proficient in data analysis using Python and R to extract meaningful insights. Dedicated to delivering high-quality, efficient software solutions and contributing effectively as a team player.

EDUCATION

City University of Seattle

Bachelor of Science (B.S) – Computer Science

December 2024

Coding Dojo

Full-stack Web Development – C#, Python, JavaScript

December 2022

Oakton Community College

Associate of science (A.S) – Computer Science

December 2022

EXPERIENCE

247AssureCare & TechDriven – Freelance Web Developer

April 2023 – July 2023 & August 2023 – December 2023

- Deployed scalable web applications for a home care service and an IT consulting firm, expanding their reach and client acquisition through MERN-based solutions:
- Utilized AWS Amplify and Vultr for deployment incorporating CI/CD pipelines to streamline the process.
- Enhanced online presence and engagement by building responsive and dynamic web applications focusing on UI/UX.
- Improved communication by implementing a contact solution via Email.js and SendGrid for client-server messaging and reducing response times.

Ultimat8 - Data Analyst Intern

July 2021 – September 2021

- Applied advanced DML techniques to optimize queries for traffic and route data analysis of delivery vehicles.
- Improved database management by designing and implementing databases using ERDs.
- Collaborated in an AGILE environment on internal deliverables.
- Provided progress reports through Microsoft Power Platform to improve decision-making.

Dunkin, Des Plaines, Northfield: Cashier/Shift Lead

Summer 2015, August 2016 – August 2019

Maine Township, Niles: Security

October 2015 – March 2016

PROJECTS

Credit Card Fraud Detection

- Assessed cross studies on CCFD and datasets obtained via Kaggle before data processing for analysis.
- Utilizing scikit-learn and TensorFlow, I developed and evaluated machine learning models (SVM, RF, FFNN, CNN) also combining strengths via hybrid/ensemble techniques like stacking.
- Conducted comparative analysis of model performance focusing on metrics in minority class improving f1_scores from .71 - .90 in standalone and hybrid models and achieving a .94 macro.

ML Model for Flight Safety

- Developed and tested real-time aerial object detection system using YOLOv8 and TensorFlow
- Trained CNNs on diverse datasets to classify between cars, ships, and planes
- Collaborated on dataset preprocessing and model evaluation with peers achieving significant improvements through iterative adjustments to model architecture and hyperparameter tuning

SKILLS

- **Languages** - Java, Python, C#, JavaScript, TypeScript, HTML, CSS
- **Full stack development** - MERN, .NET, Flask
- **Version control** - GitHub/Git
- **Data analysis & ML** - scikit-learn, TensorFlow
- **Business Tools** - Power Bi, Tableau
- **Database Management** – SQL, MongoDB
- UI/UX design
- Debugging code
- Communication
- Collaboration
- Time management