

ADAM WALID

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EDUCATION

Syracuse University, College of Engineering and Computer Science

May 2027

B.S. Computer Science | Minor: **Data Analytics**

Relevant Coursework: Computing in Python | Machine Learning | Database Management Systems | Object Oriented Programming | Data Structures and Algorithms | Software Design and Implementation | Statistics and Applications | Discrete Mathematics

WORK EXPERIENCE

Full-Stack & AI Intern | NetCognition, Holmdel, New Jersey

Summer 2025 – Present

- Led the design and deployment of NetCognition’s public website with React + Node and PostgreSQL in < 2 weeks, powering demo conversations with 25+ prospective seed investors
- Researched emerging agentic-AI (Anthropic MCP “USB-for-AI” and Google A2A) for intent-aware workflows where autonomous agents orchestrate rApps/xApps for Radio Access Network optimization

Shift Manager | Pier 13 Hoboken, Sinatra Dr N, Hoboken, New Jersey

May 2021 – August 2024

- Managed daily operations at a high-volume restaurant, leading a team of 6–8 across 4 service sections to efficiently serve 100+ customers per shift
- Directed staff assignments, maintained service quality, and handled real-time issue resolution to ensure customer satisfaction and smooth shift performance

PROJECTS

ML & Data Pipeline Engineer | “FightMetrics AI: Automated UFC Stats Pipeline for Insight/Predictive Power” Summer 2025

- Built a full-stack UFC Fight Prediction System combining ML model ensemble (MLP, XGBoost, CatBoost, Logistic Regression), GPT-4 powered RAG sentiment analysis, real-time-web scraping, and interactive Flask + React dashboard to deliver accurate fight outcome predictions
- Engineered multi-model Machine Learning pipeline with Pytorch, MatLab, and Scikit-learn, implementing MLP, XGBoost, CatBoost, Logistic Regression; achieved 80%+ accuracy on fight data through hyperparameter tuning and SQL-driven feature engineering
- Created a RAG pipeline integrating LangChain and OpenAI’s GPT-4 to analyze 3,000+ news articles for sentiment signals, enhancing interpretability and validating machine learning predictions
- Automated data scraping for 4,000+ fighters and ~60,000 data points through Python, Playwright, and BeautifulSoup4, enabling dynamic daily updates to a MySQL database for real-time model input

Data Science & Full-Stack Developer | “Purchase Pulse: Customer Repurchase Prediction Dashboard”

Spring 2025

- Developed a full-stack machine learning web application to predict customer repurchase behavior, combining a Python-based logistic regression model with an interactive React.js + Flask dashboard, enabling actionable insights for marketing teams
- Programmed and trained a logistic regression model using SQL-derived features, engineered interaction terms, and optimized binary cross-entropy loss via gradient descent, achieving 75%+ accuracy on a Kaggle dataset
- Integrated frontend inputs with backend ML inference via REST APIs, and designed a responsive visually engaging UI powered by React, Bootstrap, Recharts, and HTML/CSS to visualize predictions, model performance, and feature importance in real time

LEADERSHIP EXPERIENCE

Workshop Facilitator, Kappa Theta Pi – Professional Technology Fraternity, Syracuse University iSchool Spring 2025 - Present

- Facilitated interactive workshops and technical sessions on data science, software development, and emerging technologies, helping members strengthen practical skills and industry readiness

Lead Data Scientist | “CuseHacks Datathon”

Spring 2025

- Led and assembled a team of 4 to develop ML models predicting the likelihood of parking violations given different circumstances using PyTorch, SQL feature engineering, and Seaborn/MPL visualizations during a 24-hour data challenge

TECHNICAL SKILLS

Programming Languages: Python; SQL; R; JavaScript; Java; C; MATLAB; HTML; CSS

Frameworks: PyTorch; React.js; Node.js; TensorFlow; Playwright; Scikit-Learn; XGBoost

Software: MS Excel, MS Word, MS PowerPoint

Social Media: GitHub, Instagram, Facebook, Twitter