Yuvraj Gohil

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EDUCATION

Northeastern University, Khoury College of Computer Sciences *Boston, MA* **Sept 2022 - Present**

Bachelor of Science in Computer Science with a minor in Entrepreneurial Startups

Cumulative GPA: 3.89

Relevant Coursework: Objected Oriented Design, Algorithms and Data Structures, Computer Systems, Cybersecurity, Financial Management, Fundamentals of CS, Intro to Math Reasoning, Discrete Structures

PROFESSIONAL EXPERIENCE

TAMID at Northeastern University **Sept 2023 - Present**

Co-Director of Tech Consulting

- Created a 9-session curriculum to teach machine learning concepts to incoming developers through an end-to-end ML Automated Code Review System

Education Member Project Manager

- Orchestrated a high-performing team of 4 for a tech consulting initiative with the software company Streamline, enhancing client satisfaction and delivering impactful solutions
- Built an AI workflow using a custom LLM to optimize client websites through front-end source code analysis

Computer Science Coalition **Nov 2022 - July 2023**

President

- Founded the Computer Science Coalition at Northeastern University focused on professional development, programming projects, and tech-related community service
- Coordinated Hackathon team for Husky Hackathon, a university-wide event involving both undergraduate and graduate students
- Hosted and moderated a career-oriented discussion panel with two industry professionals from Boston Consulting Group and Palo Alto Networks, attendance of 60 students and faculty members

PERSONAL PROJECTS

Formula 1 Racing Machine Learning Place Predictor Web Application **June 2023 - Sept 2023**

- Created a full-stack machine learning web app predicting final Formula 1 race positions using historical racing and telemetry data
- Developed advanced machine learning skills, achieving a model accuracy of 0.78 and F1 score of 0.75; learned concepts such as imputation, SMOTE oversampling, and Hyperparameter tuning; acknowledged limitations and proposed future enhancements, including deep learning techniques and additional data sources

Strategic Stock Market Predictor **Dec 2023 - Present**

- Implemented a Python-based algorithmic trading model using key technical indicators, including Garman Klass Volatility, RSI, Bollinger Bands, ATR, and MACD, to assess market volatility and track SP500 stock trends

Autonomous Driving Computer Vision Donkey Car **Jan 2022 - June 2022**

- Developed autonomous driving capabilities for an RC car using the open-source Donkey Car project, highlighting hardware integration skills with Raspberry Pi, camera, and RC model car components
- Utilized deep learning and computer vision to enable a remote-controlled car to navigate autonomously, showcasing practical machine learning problem-solving in robotics

TECHNICAL KNOWLEDGE

Languages	Java | Python | JavaScript | Git | C | Kotlin | HTML | CSS
Frameworks	AWS | Solidworks | Kaggle | Raspberry Pi | PyTorch | Docker | MongoDB | macOS
Certifications	Machine Learning for All University of London

SKILLS & INTERESTS

- **Alternate Languages:** Spanish (Intermediate), Gujarati (Intermediate), Sanskrit (Intermediate)
- **Interests/Hobbies:** Robotics, programming, tabla (instrument), baseball, tennis, hiking, film