Vihaan Shetty

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EDUCATION

Purdue University　　　　West Lafayette, IN
B.S. in Computer Science, B.S. in Data Science　　　　*Exp. graduation Jun 2026*
- Concentration: Machine Intelligence
- GPA: 3.83/4.00
- Dean's List and Semester Honors – Fall 2023, Spring 2024

EXPERIENCE

Undergraduate Researcher　　　　Aug. 2023 – May 2024
The Data Mine – Purdue University　　　　*West Lafayette, IN*
- Worked for Pro Football Focus using advanced NFL and NCAA football play-by-play data to analyze and grade professional quarterbacks
- Utilized XGBoost and Random Forest ML to grade quarterbacks on the value and difficulty of attempted throws
- Applied grading algorithms trained on NFL quarterback data to NCAA collegiate quarterbacks to interpret how their skill sets may translate at the professional level
- Used frameworks such as Tableau and various other data visualization techniques in Python and R to create visual and interactive experiences for potential clients of the algorithm

Software Development Intern　　　　Oct. 2021 – Dec. 2022
STA Labs, LLC　　　　*Remote*
- Front-end app development intern at a start-up company
- Used previous UI/UX design experience in developing screens for a mobile application

PROJECTS

FIFA™ Tournament | *Java, Maven, Django, React.js*　　　　May 2024
- Created and designed an online tournament hosting platform for EA Sports F.C.™ 24 in the UEFA Champions League tournament style
- Developed a full-stack application that supports individual player match logging, detailed tournament insights and automatically generated fixtures.
- Currently re-implementing the application design using Django and React.js frameworks to make the application more easily accessible and interactive

Scooter Marketplace | *Java, Javax.Swing, Networking, GitHub*　　　　Dec 2023
- Developed a full-stack Java application that serves as a marketplace to list and sell scooters, bikes and various other modes of transportation common to colleges
- Implemented server-client communication and multi-threaded application design to enhance the app's capabilities and accessibility
- Used GitHub to organize project structure and encourage and streamline collaboration between team members

Payroll Calculator | *Java, Maven*　　　　June 2023
- Worked with local family-owned dental practice to streamline biweekly payroll calculation
- Utilized Java and Maven project management to create a full-stack application that parses through system-generated employee timestamp logs and automatically calculates the amount owed for the time period

TECHNICAL SKILLS / CERTIFICATIONS

Languages: Java, Python, C/C++, JavaScript, HTML/CSS, R, Swift
Frameworks / Libraries: Django, React, Flask, Maven, Git, Spring Boot, pandas, NumPy, Matplotlib, scikit-learn, Beautiful Soup, Seaborn, jQuery, JUnit
Certifications: Machine Learning