

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, Fall 2024
- Relevant Coursework – Data Structures & Algorithms, Systems Programming, Information Systems, Computer Architecture, Discrete Math, Linear Algebra, Multivariate Calculus, Statistics for Data Science

EXPERIENCE

Corporate Partners TA

Jan. 2025 – May. 2025

The Data Mine – Purdue University

West Lafayette, IN

- Worked as a project manager overseeing Data Mine students working on a research project with the Management Performance Hub on Indiana Criminal Justice Institute (ICJI) data
- Responsible for enforcing Agile project management as Scrum Master and acting as liaison between students and corporate mentors to facilitate lines of communication and monitor project progress
- Mentored students in a variety of technical skills in data exploration/visualization, data analysis, and ML to assist with project work and professional development

Undergraduate Researcher

Aug. 2023 – May 2024

The Data Mine – Purdue University

West Lafayette, IN

- Worked with 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

PROJECTS

ML Hackathon Leaderboard | *Next.js, TailwindCSS, SQL*

August 2024

- Worked as front-end software developer to create user interface for ML-powered hackathon leaderboard
- Implemented user authentication and data handling procedures, created admin dashboard for project customization.

FIFA™ Tournament | *React.js, Flask, SQL*

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.

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

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, SQL, HTML/CSS, R

Frameworks / Libraries: React.js, Next.js, Node.js, Express.js, Redux, SQLAlchemy, TailwindCSS, Flask, Django, pandas, numPy, ggplot2, scikit-learn, javax.Swing

Technologies / Tools: PostgreSQL, MySQL, bash, Git/Github, Docker, Tableau, Google Cloud, VSCode