Pujan Desai

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Availability: July – December 2025

Education

Northeastern University, **Khoury College of Computer Sciences**, Boston, MA   Sept 2023 – May 2027

Honors Candidate for Bachelor of Science in Computer Science and Business Administration, Concentration in Finance

Relevant Coursework: Object-Oriented Design, Algorithms & Data, Foundations of Data Science, Fundamentals of Computer Science 1 & 2, Discrete Structures, Financial Management, Financial Accounting & Reporting, Technology & Human Values

Technical Skills

Languages | Python, Java, C++, HTML, CSS, JavaScript, DrRacket

Frameworks & Libraries | React, Next.js, Node.js, Tailwind, Pandas, NumPy, Scikit-learn, Matplotlib, Swing, Turtle Graphics

Services & Tools | Git, Postman, Unix/Linux, VS Code, Eclipse, Jupyter Notebook, IntelliJ, Adobe Creative Suite, Google Colab

Work Experience

D'Amore-McKim School of Business, *Accounting Undergraduate Teaching Assistant*, Boston, MA   Aug 2024 – Present
- Manage course-related administrative tasks and prepare materials for ACCT 1201 & 1209: Financial Accounting & Reporting
- Hold weekly office hours, offering personalized support for students on course materials, exam prep, and study strategies
- Grade exams and assignments, providing detailed feedback to enhance student understanding and performance

TAMID Group - Tech Consulting Foundations, *Project Manager*, Boston, MA   Oct 2024 – Nov 2024
- Led a team of 4 developers using Agile, ensuring timely sprint deliverables and effective communication with project liaison
- Managed and coded a health-tracker app with health metrics, medication reminders, and appointment scheduling using React
- Oversaw team workflows, delivering an intuitive dashboard with real-time updates for enhanced functionality and experience

Oasis at Northeastern, *Software Developer (Machine Learning)*, Boston, MA   Jan 2024 – Apr 2024
- Built a machine learning model predicting NBA game winners with ~65% accuracy using NBA API, Scikit-learn, and Pandas
- Improved model performance and correctness by engineering features like rolling averages and home/away statistics
- Presented and demoed the project to ~100 members/sponsors, explaining the model development process and its functionality

Old Bridge High School – Online Bank, *Scrum Master*, Old Bridge, NJ   Nov 2022 – Mar 2023
- Spearheaded a team of ~30 developers, optimizing task allocation and forming specialized teams for efficient execution
- Delivered an online banking platform with account creation, transactions, loan approvals, and foreign exchange features
- Streamlined GitHub integration, ensuring efficient code management and seamless collaboration across development teams

Projects

Chess, *Python*   Jul 2024 – Sept 2024
- Created a PvP chess game with Pygame, featuring multiple board themes, last-move highlighting, and valid moves display
- Implemented core mechanics like move validation, checkmate, stalemate, pawn promotion, en passant, and castling

Stock Portfolio Application, *Java*   May 2024 – Jun 2024
- Developed a mock stock portfolio application utilizing the Alpha Vantage API to fetch real-time and past stock data
- Implemented stock performance charts, portfolio composition and rebalancing, moving averages, and buying/selling shares
- Designed an intuitive GUI using Java Swing, ensuring a user-friendly experience for managing and viewing portfolios
- Built project using MVC architecture alongside the Command Design & Adapter patterns to ensure scalability and flexibility

Vector Simulator, *Python*   Sept 2022 – Oct 2022
- Partnered with physics teacher to develop an interactive program aiding student comprehension of vectors
- Utilized turtle graphics to build a simulator drawing out inputted vectors and providing step-by-step calculation of resultants

Additional Information

Activities & Skills: Dean's List, NU UTSAV, TAMID Group at Northeastern, BAPS Content Creator & Volunteer | Fluent in Gujarati

Interests: Tennis, Fitness (Lifting), Basketball, Graphic Design (Photoshop), Cricket, Hiking, Drawing, Baseball, Traveling, Music, Video-Editing, Photography, Videography, Bollywood, Fashion, LEGOs, Spikeball, Reading, Puzzles, Wordle, Video Games, Cooking