

Priyank Jhaveri

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EDUCATION

Drexel University, Philadelphia, United States - *Master, Computer Science* - (GPA: 3.75/4.0) Sep 2024 — May 2026
Shah & Anchor Kutchhi Engineering College, Mumbai, India - *Bachelor, Computer Science* - (GPA: 3.62/4.0) Sep 2020 — Jun 2024

RELEVANT COURSEWORK

Computer Networks, Artificial Intelligence, Operating Systems, Object Oriented Programming, Human AI, Computer Vision, Responsible Machine Learning, Privacy, Development of User Interfaces, Cloud Computing, Database Systems, Cryptography and System Security

SKILLS

Programming Languages : C, Java, JavaScript, Python, MATLAB, Dart
Data Manipulation : Pandas, NumPy
ML/AI Frameworks : PyTorch, TensorFlow, OpenCV
Tools : AutoCAD, Git, Excel, PowerPoint, Word, JIRA
Web Development : Django, ReactJS, AngularJS, NodeJS, Flask
Database Management : MongoDB, MySQL, Firebase

PROFESSIONAL EXPERIENCE

Graduate Research Assistant, Drexel University, Philadelphia, United States Apr 2025 — Jun 2025

- Developed a **novel generative AI** framework to produce **high-fidelity synthetic patient data**, overcoming key data privacy barriers in cancer care research.
- Authored **software documentation** and **analysis reports**.
- Simulated** real-world data scenarios to **test system reliability** and performance.

App Developing Intern, TicketUs, Mumbai, India Sep 2023 — Jan 2024

- Led the **development and testing** of an app for the startup company that optionized buying and selling tickets.
- Participated in **debugging** and **troubleshooting** for deployment stability.

App and Web Developer, Vyavasay Solutions, Mumbai, India Dec 2022 — Jul 2023

- Spearheaded the development of **multiple full-stack digital solutions**, including a **workforce management** app with **efficient** employee verification and a comprehensive suite of three apps and a website to digitalize preschool operations.
- Analyzed **diverse client requirements**, from **seamless** clock-in/out processes to the logistics and administrative tasks, translating complex workflows into integrated digital solutions.
- Streamlined daily operations for multiple clients, **optimizing workforce management** while also **improving efficiency** by **25%** and communication for both front and back-office preschool administration.

AI/ML Intern, University of Naples Federico II, Naples, Italy Sep 2022 — Dec 2022

- Solved a critical failure point in a **predictive maintenance system** by using **generative AI** to **simulate future, high-stress** road conditions not found in historical data.
- Provided more **accurate and reliable** deterioration forecasts, helping authorities make **better-informed decisions** on road maintenance and repair schedules.

Project Management Intern, Siemens energy, Pune, India Aug 2021 — Sep 2021

- Contributed as an intern at Siemens Energy by creating **detailed project reports**, **summarizing key findings**, and **analyzing project data**.
- Collaborated with project teams to **gather insights** and ensure **accurate documentation** of progress and outcomes.
- Provided **valuable data-driven insights**, helping to inform decision-making and **improve project efficiency**.

PROJECTS

Dental Disease Detector Feb 2024

- Addressed the **core problem** of **data scarcity** in medical imaging by using **generative AI** to **build and test a robust dataset** of synthetic dental radiographs.
- Produced **superior overall accuracy** in the automated detection of dental conditions, with fine-tuned models like **Xception** and **DenseNet** enhancing the diagnostic system.

Personal Expense Tracker , Philadelphia

- Developed a **test suite** to verify **financial logic and alerts**.
- Documented test results and failure cases for iterative improvements.

PUBLICATIONS

Road Maintenance System using YOLOV7, 2023 3rd International Conference on Pervasive Computing and Social Networking (ICPCSN) Oct 2023