

Prince Patel

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EDUCATION:

- **Massachusetts Institute of Technology** *Expected 2025*
- BS, Computer Science and Artificial Intelligence with a Minor in Neuroscience
- Current GPA: 4.8, ACT: 36
- Current Coursework: Fundamentals of Statistics, Design and Analysis of Algorithms, Intro to ML
- Relevant Courses: Intro to Algorithms, Probability and Random Variables, Linear Algebra, Fundamentals of Programming, Intro to C and Low-level Programming, Multivariable Calculus

WORK EXPERIENCE:

Epicore Biosystems

June 2023 – Current

Data Scientist

- Developed methods to analyze data for a smart sweat sensing device that informs hydration
- Created test procedures and research reports detailing algorithm testing for bench and on-body field trials
- Supported testing of Gx Sweat Patch image processing algorithms

RESEARCH EXPERIENCE:

Biomechatronic Group, MIT Media Lab

Mar. 2023 – Current

Undergraduate Researcher

- Attempting to predict intentions of upper extremity amputees and translating to prostheses control.
- Spearheaded efforts to improve the quality of training data for a machine learning algorithm utilized to forecast movement based on EMG readings.
- Implemented computer vision assisted hand tracking as an additional layer of training data validation, thereby reducing the cognitive load on patients during data collection.

Marine Robotics Lab, MIT CSAIL

Dec. 2022 – Apr. 2023

Undergraduate Researcher

- Trained a goalie and locomotion policy for a quadruped and bipedal robot in Isaac Gym using a Proximal Policy Optimization reinforcement learning program
- Accessed the robot's onboard computers, cameras, and LiDAR sensors to implement a reinforcement policy that incorporates computer vision

EXTRACURRICULAR EXPERIENCE:

MIT 2026 Class Council

Mar. 2023 – Current

Vice President

- Represented the voice of 1300+ students in the class of 2026 within school administration
- Organized activities to promote class unity and create a welcoming environment for all

MIT Capital Partners

Mar. 2023 – Current

Analyst

- Completed in-depth reports of industries and startups for VC clients
- Contacted emerging startups and established channels of communication between them and VC clients

MIT South Asian Association of Students

Sep. 2022 – Current

Big Events Committee

- Organized and hosted large-scale cultural celebrations for students at MIT and Boston-area colleges
- STUFF

SKILLS & INTERESTS:

- Python (PyTorch, pandas), C/C++, Science Communication, Project Management
- Brain-computer interfaces, autonomous machines, volleyball, weightlifting