

Asmit Patidar

+1 (609) 591-9863 | patidarasmit0505@gmail.com | www.asmitpatidar.com | Edison, New Jersey

SUMMARY

Highly motivated Computer Science student with a strong academic record (GPA 3.75/4.0) and a passion for leveraging technology to solve complex problems. Possessing a solid foundation in Python, Java, and data structures, and hands-on experience in generative AI, with a passion for applying strong analytical and problem-solving skills to the dynamic field of AI and Machine Learning.

EDUCATION

New Jersey Institute of Technology (Albert Dormans Honors College)

Newark, New Jersey

Bachelor of Science (Hons) in Computer Science

Anticipated Graduation Date: December 2027

- **GPA:** 3.75 / 4.0
- **Honors:** Dean's List (All Semesters)
- **Relevant Coursework:** Programming Language Concepts (C++), Foundations of Computer Science I (Python), Foundations of Computer Science II (Java), Data Structures and Algorithms, Internet and Applications, Calculus II, Probability and Statistics

SKILLS

- **Technical Skills:** Python, Java, C++, SQL, HTML, CSS, JavaScript, React.js, MongoDB, JIRA
- **Soft Skills:** Communication, Teamwork, Problem-Solving, Organization, Leadership, Adaptability, Critical Thinking

CERTIFICATIONS, LEADERSHIP & AWARDS

Certifications

- "Microsoft Azure AI Essentials Professional Certificate" issued by Microsoft and LinkedIn September 2025
- NSF I-Corps Hub Northeast Region Propelus Program – Technical Lead – TRAVail October 2024

College Board

Edison, New Jersey

AP Capstone Diploma

July 2024

- Earned by excelling in the rigorous AP Capstone program, demonstrating expertise through in-depth independent research projects, collaborative teamwork, and dynamic presentations in AP Seminar and AP Research courses.

Award

Edison, New Jersey

The President's Volunteer Service Award (Silver)

October 2022 – September 2023

- Recognized with a distinguished volunteering service award for accumulating over 200 volunteer hours within a single year, supporting various community needs through participation in food pantry operations, blood drives, highway cleanups, and other impactful events.

PROJECTS

Google's 5-Day Intensive Generative AI Course

Edison, New Jersey

Ludo Rules Assistant with Gemini

April 2025

- Leveraged Retrieval-Augmented Generation (RAG) and Few-Shot Prompting to build a Ludo rules assistant that generates accurate, clear, and well-formatted rule explanations grounded in a verified knowledge base of official rules.
- Improved accuracy using Function-calling to clarify terms and Prompt-Based Grounding to constrain responses to the provided context.

TRAVail (www.travail.world)

Edison, New Jersey

Software Engineer

August 2024 – March 2025

- Developed the backend architecture for an AI-powered itinerary planner travel application using Python, Django, and MongoDB for efficient data handling and scalable system operations, ensuring high-performance and secure data storage and retrieval.
- Integrated backend functionalities with a React.js frontend to deliver a high-performance, responsive UI, utilizing Jira for project tracking.

RESEARCH

Independent Research Project for AP Capstone Diploma

Edison, New Jersey

Design for a Prosthetic Arm for Above-Elbow Amputees

September 2023 – June 2024

- Conducted qualitative and quantitative research to design a 3D prosthetic arm for above-elbow amputees, collaborating with mentors and experts to enhance the mechanical functionality and user comfort, iteratively validating the feasibility of the design.
- Gained proficiency in 3D modeling, mechanical design, and research methodologies, enhancing problem-solving and data analysis skills.

PROFESSIONAL EXPERIENCE

NJIT Career Development Services

Newark, New Jersey

Employer Relations & Data Assistant

September 2025 – Present

- Spearheaded corporate recruiting events and large-scale career fairs to strengthen employer partnerships and facilitate student hiring.
- Oversaw the Handshake platform by managing employer data and creating marketing materials to drive student engagement at events.

Built By Me STEM Learning

East Brunswick, New Jersey

STEM Instructor

January 2024 – May 2025

- Instructed K-12 students in STEM subjects, fostering a hands-on learning environment, enhancing their understanding of key concepts.
- Designed and adapted curriculum to accommodate different age groups and learning styles, helping students develop essential teamwork, communication, and project management skills through group projects.