

Khushi Patel

+1 (631) 375-1447 | khushi108@icloud.com | Github: [khushi4243](#) | LinkedIn: [Khushi](#) | Available: June 2025

EDUCATION

Northeastern University, Khoury College of Computer Sciences

Sept 2021 - Present

Candidate for B.S. Computer Science and Philosophy, May 2025

GPA: 3.4

TECHNOLOGIES

Languages: Python, Java, Javascript, R, HTML, CSS, Typescript, React.js, SQL

Libraries/Frameworks: AWS Lambda, S3, Bedrock, Cloud 9, Cognito, DynamoDB, Nest.js, Material UI, PsychoPy

EXPERIENCE

Burnes Center for Social Change

July 2024 – Dec 2024

Generative AI Product Developer

Boston, MA

EOED Interactive AI Knowledge Base

- Leading end-to-end development of an AI knowledge base for the Executive Office of Economic Development (EOED), from conception to deployment, providing small businesses with streamlined access to 50+ grants/programs from the state of Massachusetts
- Developing AI Chatbot using AWS Bedrock and RAG (Retrieval Augmented Generation) to streamline internal EOED responses, reducing employee response times from 2 -14 days to 1-5 minutes
- Conducting comprehensive user research through interviews and synthesized findings into actionable product features, driving user-centric design; producing memos to communicate key insights and progress to stakeholders

EOTSS GENIE (Generative AI Experimentation and Innovation Environment)

- Spearheading the development of the GenAI Sandbox for the Executive Office of Technology Services and Security (EOTSS), a pioneering platform offering secure generative AI access for 44,000 Massachusetts state employees
- Leading A/B testing and user research sessions with 50+ users to gather feedback and refine product features, driving product extension based on data-driven insight
- Enhancing platform functionality by developing a backend prompt enhancer using LLMs, improving prompt accuracy by 60%, and introduced 3 additional features to optimize user experience

Subjectivity Lab

Jan 2024 – June 2024

Software Engineer

Northeastern University, MA

- Developed and integrated a comprehensive audio experiment using Python and VR technology to monitor pupil activity in real-time, enabling dynamic response analysis to varied stimuli
- Engineered a Python script leveraging ElevenLabs API to streamline text-to-speech generation for over 100 words, reducing MP3 file creation time by 3x, improving workflow efficiency

Amazon Robotics

July 2023 – Dec 2023

Software Technical Program Manager

North Reading, MA

- Orchestrated deployment automation of 16 new robotic arms, lead meetings with stakeholders and worked cross-functionally among various teams to ensure robotic arm production increased to 8x the previous speed
- Managed Robotic Orchestration and Controls team, increased software updates deployment by 2x and established scrum process from scratch, setting up regular meetings and sprint organization
- Created tool utilizing AWS Lambda/Python to develop script that performs real-time analysis of robotic arm collisions, increased efficiency by 2x by removing need for manual download of data
- Assisted SQA team in operating robotic workcells, creating user manuals and training new hires in workcell operation

EXTRACURRICULARS

Code4Community

Sept 2022 – Present

Director of Product

Northeastern University, MA

- Overseeing the development of 7+ products, driving strategic alignment, and ensuring milestone adherence
- Scope and define all new product initiatives, onboarded 4+ new products, translating problem statements into actionable product requirements, feature sets, and development roadmaps
- Mentor and coach new product managers, providing hands-on guidance in product management principles, empowering them to independently lead their projects and deliver successful outcomes