Raghav Mathur

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EDUCATION

Northeastern University | Boston, MA — September 2022 - Expected May 2026
Khoury College of Computer Science — GPA: 3.75/4.0
Candidate for Bachelor of Science in Computer Science - Concentration in AI, Minor in Robotics
Awards: Dean's List Spring 2024
Coursework: AI (Graduate Level), Software Engineering, Object-Oriented Design, Algorithms (Graduate Level), Computer Systems, Mathematics and Data Mining, Cognition
Extracurriculars: NU Aaroh - Planning and Scheduling Coordinator, AI Club

TECHNICAL SKILLS

Programming Languages: Java, Python, Typescript, Git, SQL, C, Kotlin, HTML, CSS
Frameworks: React, Jest, Flask, Pandas, NumPy, JUnit
Tools: GitHub, VSCode, Microsoft Office, Docker

EXPERIENCE

AI Trainer — May 2024 - Present
Outlier — Remote

- Trained AI models by creating and answering multimodal questions, including questions with images
- Evaluated and ranked AI-generated responses in a step-by-step manner as part of the reinforcement learning process

Artist-Focused Tech, AI & VR Intern — January - May 2024
A Jam Records — Remote

- Researched innovative technologies that enhance virtual collaboration, artist-label relations, and streamline the label's operations
- Consistently delivered high-quality reports and presentations to help the label strengthen its understanding of the intersection between music and technology
- Devised an artist hub - an integrated workflow for artists to communicate with their manager, share their music to collaborate with other artists signed with the label, along with resources to aid wellness and creativity

PROJECTS

Local Fresh Deliveries | Python, Flask, Streamlit, MySQL — August 2024

- Developed a data-driven full-stack web application simulating a local food delivery service
- Integrated a MySQL database with a Flask REST API and a Streamlit-based front end
- Applied User-Centered Design methodologies to create a realistic simulation with diverse user personas

Reversi | Java, JUnit, Swing — December 2023

- Designed a Reversi game using MVC architecture and Object-Oriented design patterns
- Implemented AI for varying levels of difficulty and options for traditional or hexagonal board setups
- Conducted rigorous testing using JUnit to ensure a reliable, robust and effective game

FlightDealFinder | Python, Pandas, Requests, Smtplib — July 2023

- Developed a tool to find and email the cheapest flight deals available
- Acquired proficiency in using APIs to collect data and processing data with Pandas
- Automated personalized email notifications using smtplib

INTERESTS

Music - writing, producing, playing | Sports - running, gym, cricket, rock climbing | Travel | Research | Photography