

# Anish Sahoo

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Available January-August 2025 at Boston, San Francisco, NYC & Seattle

## EDUCATION

**Northeastern University - Khoury College of Computer Sciences** September 2023 – Present

*Candidate for Bachelor of Science in Computer Science*

*Boston, MA*

- GPA: 3.89/4.0, Expected Graduation: December 2026, Honors: Dean's List (every semester)
- Relevant Courses: Database Design, Object-Oriented Design (Java), Algorithms, Artificial Intelligence, Mathematics for AI, Discrete Mathematics, Operating Systems, Machine Learning, Reinforcement Learning

## TECHNICAL SKILLS

**Languages:** Java, Python, JavaScript, TypeScript, HTML, CSS, SQL, Kotlin, Rust, Scala

**Frameworks:** React, Node.js, Express.js, Flask, JUnit 5

**Databases:** SQLite, MySQL, PostgreSQL, MongoDB, Redis

**Developer Tools:** Git, GitHub, Linux, Bash Shell, Docker, VS Code, LaTeX

**AI/Data Science:** NumPy, Jupyter Notebooks, PyTorch, TensorFlow, Gymnasium

## PROJECTS

**AI Hoops** | *Python, PyTorch, OpenAI Gymnasium* August 2024

- Trained a game AI that learns to play Atari DoubleDunk basketball using Deep Reinforcement Learning
- Employed novel training approach using RAM observation space and Double Deep Q Networks

**Map of Top Anime** | *JavaScript, Python, PixiJS, TensorFlow, MongoDB* July 2024

- Created a map visualizer of the top 5000 anime scraped from MyAnimeList using embeddings and t-SNE
- Implemented complex filtering mechanisms and search functionality using PixiJS for exploring the map

**EasyClassPlanner** | *Rust, TypeScript, React* May 2024

- Created a web application utilizing Recursive Backtracking on a Rust backend to generate optimal schedules
- Implemented UI features like a calendar view for visual assistance in choosing the perfect schedule

**X Finance (X Developer Challenge)** | *Python, TypeScript, React, X API, xAI API* April 2024

- Collaborated with 3 teammates to engineer a web application that uses historical Tweet data and xAI's Grok-1 LLM to analyze public sentiment about stocks on X
- Scraped about 5000 tweets per query containing 1 of 10 AI-generated hashtags related to a stock

**KhouryKTRL** | *JavaScript, VSCode API* October 2023

- VSCode extension that helps CS2500 (Fundamentals of CS 1) students save time in code execution/linting
- Endorsed by 2 professors and used by over 100 students on the Northeastern Oakland Campus

**Expiry Date Reminder** | *Java, SQLite, Android SDK, Android Studio* August 2022

- Developed an Android application that stores expiration dates and reminds the user if something is expiring soon
- Amassed over 4,500 downloads and a 4.5/5 star rating on the Google Play Store

## EXPERIENCE

**PawHacks** December 2023 – Present

*Mentor/Technical Recruiter/Organizer*

*Oakland, CA*

- Collaborated with 15 classmates to host a hackathon with over 120 attendees and \$3000+ worth of prizes
- Developed and deployed the full-stack [pawhacks.io](https://pawhacks.io) hackathon website with over 400 unique visitors
- Conducted technical interviews for applicants and mentored the website team for PawHacks 2.0

**Northeastern University - Khoury College of Computer Sciences** January 2024 – Present

*Undergraduate Teaching Assistant*

- Conducted 20 hours of office hours and tutoring sessions per week for CS 2510 (Java) and CS 2500 (Kotlin)
- Held on-demand 1-on-1 appointments for debugging help, LeetCode practice and exam review
- Instructed 35+ people concurrently during peak times in Java & data structures and graded CS 2500 coursework

## INTERESTS

Photography, Photo/Video Editing, Manga, Badminton, Hackathons, Travelling