Anish Sahoo

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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 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 – April 2024
Undergraduate Teaching Assistant *Oakland, CA*
- Conducted 20 hours of in-person office hours and tutoring sessions per week for CS 2510 (Fundamentals of CS 2)
- Instructed over 35 people concurrently during peak times in Java and data structures
- Held on-demand 1-on-1 appointments for debugging help, LeetCode practice, and exam review

INTERESTS

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