Anish Sahoo

402-706-2827 | anishsahoo2005@gmail.com | asahoo.dev | linkedin.com/in/anish-sahoo | github.com/anish-sahoo
Available January-August 2026 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: 3.84/4.0, Expected Graduation: December 2026, Honors: Dean's List (every semester), AI Concentration
- Relevant Courses: Database Design, Object-Oriented Design, Algorithms, Artificial Intelligence, Discrete Math, Operating Systems, Machine Learning, Reinforcement Learning, Software Engineering

TECHNICAL SKILLS

Languages: Java, Python, SQL, JavaScript, TypeScript, LaTeX, Kotlin, HTML/CSS
Technologies: Spring, REST, gRPC, GraphQL, Apache Kafka, Node.js, Express.js, React.js, Apache Solr, JUnit 5
Databases: PostgreSQL, MySQL, SQLite, MongoDB, Redis, BigQuery, Bigtable
DevOps/Tools: Git, GitHub, Maven, Bash, Linux, Caddy Server
Cloud/Observability: Google Cloud Platform (GCP), Kubernetes, Docker, Aiven, NewRelic, Lightrun, Splunk
AI/Data Science: PyTorch, NumPy, Gymnasium, Jupyter, PettingZoo, Matplotlib

EXPERIENCE

Backend Software Engineer Co-op　　　January 2025 – June 2025
Priceline (Enterprise Data Products & Services Team)　　　*New York, NY*
- Optimized high-throughput REST and gRPC services in Java Spring for better backend and database performance
- Architected and implemented a Kafka-based hotel price monitoring system designed to scale for millions of customers, enabling real-time price tracking and notifications
- Built a heuristic-driven system to infer customer preferences, laying the groundwork for ML-based personalization
- Engineered a proof-of-concept integrating Google's Knowledge Graph and Vertex AI tools as a replacement for In-house recommendation systems

Undergraduate Teaching Assistant　　　January 2024 – December 2024
Northeastern University - Khoury College of Computer Sciences
- Conducted office hours, tutoring sessions, and 1-on-1 appointments for 200+ students in Java and Kotlin
- Graded homework and held sessions for debugging help, LeetCode practice and exam review

Software Engineer/Organizer　　　December 2023 – May 2024
PawHacks
- 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 10000 visits

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 Apache Solr and rendering with PixiJS

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

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

INTERESTS

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