

ALIBI NAUANOV

+7 771 521 0120 ◊ alibi.nauanov@nyu.edu ◊ [LinkedIn](#) ◊ [GitHub](#) ◊ [Personal Website](#)

EDUCATION

New York University Shanghai

Shanghai, China

Bachelor of Science in Computer Science

May 2025

Relevant coursework: Software Engineering, Computer Architecture, Data Structures, Algorithms, Databases, Artificial Intelligence, Operating Systems, Information Visualization, Probability and Statistics

EXPERIENCE

Research Assistant

May 2024 - Jul 2024

New York University Abu Dhabi, CITIES Lab

Abu Dhabi, UAE

- Built a dataset visualization tool using Next.js & Node.js that enabled graph-based data exploration 2x faster.
- Improved reliability with Docker Swarm, optimizing workflows and reducing downtime by 3x.
- Fixed 10+ issues with Node.js, boosting system stability by 40% by eliminating bottlenecks and security flaws.

Software Engineer

Sep 2023 - Dec 2023

Research & Instructional Technology Services, NYU Shanghai

Shanghai, China

- Developed a secure internal chatbot system for staff document analysis, mitigating data leakage risks.
- Automated deployments with Docker and CI/CD pipelines, cutting error rates by 20%.
- Optimized backend using Redis, enhancing application performance 1.5x.
- Conducted 7 user interviews to refine features, raising user satisfaction by 60%.

Software Engineer (Contract)

Jul 2023 - Aug 2023

Metana

Chicago, IL

- Built a web-scraping and summarization API with FastAPI and PyTorch for scalable content analysis.
- Redesigned backend API for reliability, adding error handling to reduce crashes by 45%.
- Optimized data processing using distributed storage, decreasing latency by 40%.

Front-End Developer Intern

Sep 2022 - Jul 2023

Shoptaki

New York, NY

- Developed a biometric data storage website with React.js and Redux, drawing over 1,000 users in 2 months.
- Optimized UI and frontend performance, ensuring 0 downtime during peak traffic.
- Integrated biometric authentication APIs, reducing login failures by 25%.

PROJECTS

Bitcoin Price Prediction with Sentiment Analysis | TensorFlow, LSTM, Random Forest

[GitHub](#)

- Built a sentiment-integrated model, achieving **78%** accuracy in predicting cryptocurrency price movements.
- Analyzed **285K+** tweets and market data using feature engineering and ML to capture sentiment trends.

X(Twitter) Clone | Next.js, MySQL, Docker, Prisma, Socket.io, TanStack Query

[GitHub](#)

- Built a full-stack Twitter clone with real-time notifications, infinite scrolling, and live feed updates.
- Integrated Clerk OAuth (Google/Apple), webhooks, and ImageKit CDN for secure auth and media optimization.
- Implemented post, comment, like, follow, and profile editing features with React Query and optimistic UI.

Movix | React.js, Redux, SCSS, API

[GitHub](#)

- Developed responsive movie database application using React and Redux, featuring dynamic state management.
- Reduced API response times by **60%** through efficient Redux state management and streamlined API calls.

SKILLS

Languages

Python, Java, JavaScript, TypeScript, C, SQL

Frameworks

React.js, Node.js, Express.js, Next.js, Spring, FastAPI, PyTorch, Pandas

Tools

Git, Docker, Kubernetes, n8n, MongoDB, Firebase, Figma

AWARDS

- NYUAD Quantum Computing Hackathon 2025 - **Top 2, top 12%** out of 17 teams, 207 participants.
- AIESEC FinTech Case Competition 2022 - **Top 1** among 20 teams