

# ALIBI NAUANOV

+7 771 521 0120 ◊ [alibi.nauanov@nyu.edu](mailto: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.
- Implemented debounced search and binary-search over sorted data ranges; streamed results to cut response time.
- 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

### Alma AI - Founding Engineer | Next.js, PostgreSQL, Clerk, Supabase, 2GIS

[opengatekz.com](https://opengatekz.com)

- Developed full-stack AI search platform with real-time streaming responses and integrated web scraping tool.
- Built scalable chat system with Clerk authentication, Supabase database, and AI SDK integration.

### 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.

## 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