

# Nahid

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Phone: +447783477876 | Email: nahidislamz@outlook.com | Web: [www.nahidislam.dev](http://www.nahidislam.dev)

## Profile Summary

Full-stack engineer with experience building end-to-end web products across AI assurance, data analytics, dashboards, and Web3 systems. Skilled in React, TypeScript, FastAPI, Python, Firebase, Cloud Run, and Docker. Delivered prototypes involving AI output evaluation, quant factor modeling, Telegram onboarding flows, and resume parsing workflows. Strengths include system design, cloud deployment, rapid prototyping, and multi-role application development.

## Experience

### FOUNDER & FULL-STACK ENGINEER | NEXA NEST LTD JAN 2026 – PRESENT / UK

- Designed and developed **Assurenest AI**, an AI assurance platform for auditing LLM outputs (hallucination, bias, PII, sentiment, quality).
- Built browser extension + dashboard workflow with React, TypeScript, Firebase Auth, Firestore, and Cloud Run.
- Implemented backend API using Python (FastAPI), SSE for real-time data streaming, and role-based access control (RBAC).
- Deployed production services via Docker and Google Cloud Run.
- Managed product development across AI, cloud infrastructure, and compliance-oriented features.  
**Tech:** React, TypeScript, FastAPI, Firebase, Firestore, Cloud Run, Docker, SSE, Python, REST

### FULL-STACK DEVELOPER | TRIREME TRADING | OCT 2023 – JAN 2026 / UK

- Built **Trireme Factor Lens**, a factor modeling and analytics platform for crypto markets.
- Developed backend services for data ingestion, pipelines, simulations, and visualization using Python, Pandas, and FastAPI.
- Built dashboards using React + Plotly and deployed via Docker + Cloud Run.
- Integrated real-time updates using SSE for dashboards and monitoring.
- Collaborated with quantitative researchers to convert factor models into production workflows.  
**Tech:** Python, Pandas, NumPy, FastAPI, React, Plotly, Docker, Cloud Run, REST, SSE

### CONCIERGE | THE GEM HOTEL | SEP 2022 – SEP 2023 / UK

- Managed guest requests and provided exceptional customer service, ensuring a memorable stay experience.
- Coordinated transportation, restaurant reservations, and leisure activities for guests.
- Maintained a thorough knowledge of hotel services, local attractions, and events to offer informed recommendations.
- Collaborated with hotel departments to resolve guest concerns and resolve issues promptly.

- Built relationships with local businesses to negotiate offers and promotions for guests.
- Maintained a high level of discretion and professionalism when handling sensitive guest information.

## Education

### **MSc DATA SCIENCE | SEP 2022 - JAN 2024 | LONDON SOUTH BANK UNIVERSITY, LONDON , UNITED KINGDOM**

- Research Methods and Project Management
- Data Mining and Predictive Analytics
- Machine Learning and Advanced Data Analysis
- Big Data Analytics and Business Intelligence
- Data Visualization and Insight Creation

### **BSc IN COMPUTER SCIENCE | MAY 2017 - MAY 2021 | METROPOLITAN UNIVERSITY, SYLHET, BANGLADESH**

- Artificial Intelligence
- Data Structures and Algorithms
- Computer Networks
- Database Management
- Software Engineering

## Skills & Abilities

- **Languages & Frameworks**  
Python, JavaScript, TypeScript, Node.js, React, Django, FastAPI, HTML, CSS
- **Backend & APIs**  
REST API Development, Authentication & Authorization (JWT / Session / RBAC), Backend Logic & Business Rules, SSE (Server-Sent Events), WebSockets, LLM Integration (Meta LLaMA / OpenAI), AI Assurance Pipelines
- **Data & AI**  
Pandas, NumPy, Data Pipelines, Factor Modeling, Simulation, NLP, Resume Parsing, Data Cleaning, Data Structuring
- **Web3 & Distributed Systems**  
Solana, Telegram Bot API, NFTs
- **Databases & Storage**  
Firestore, PostgreSQL, SQLite, SQL Server
- **Cloud & DevOps**  
Google Cloud Run, Firebase, Firestore, Docker, CI/CD, Linux
- **Dev Tools & Platforms**  
Git, GitHub, VS Code, Responsive Design, Telegram Mini Apps
- **Core Competencies**  
System Design, Full-Stack Architecture, Product Prototyping, Dashboarding, Compliance-Aware Workflows
- **Soft Skills**  
Problem-Solving, Communication, Team Collaboration, Adaptability, Time Management, Customer Service

## Projects

### **ASSURENEST AI | AI ASSURANCE PLATFORM**

*React, FastAPI, Firebase, Cloud Run, Docker, SSE, RBAC*

Github: <https://github.com/nahidislamz/assurenest>

- AI output evaluation for LLMs (hallucination, bias, PII, sentiment).

- Browser extension + dashboard + backend + audit logging.
- Deployed via Firebase + Cloud Run + Docker.

## AI CV BUILDER & OPTIMISER

React / JavaScript / Meta LLaMA API

GitHub: <https://github.com/nahidislamz/ai-cv-builder>

- Developed a dynamic, responsive web app to help users **build and optimise professional CVs** with ease.
- Integrated **Meta LLaMA LLM API** to offer intelligent suggestions, content rewriting, and structure improvements based on job descriptions.
- Features include **auto-formatting date ranges**, column-based skill layouts, and **custom output options** for tailored CVs.
- Designed an intuitive interface for real-time CV editing, previewing, and export to PDF.

## DATA WAREHOUSE & ANALYTICS PROJECT – HM HOME OFFICE SPENDING

SQL Server / SSIS / Tableau/Power BI

GitHub: <https://github.com/nahidislamz/Data-Management-Prototype>

- Designed a **star schema** data warehouse using Kimball's dimensional modelling.
- Built ETL processes with **T-SQL and SSIS** to clean, transform, and load spending data.
- Created **analytical queries** to extract insights on expense types, suppliers, and spending trends.
- Developed a **dashboard** in Power BI/Tableau to visualise quarterly and yearly spending patterns.

## METEORITE BLOG PLATFORM

React / Django / REST API / PostgreSQL

GitHub: <https://github.com/nahidislamz/meteorite-blog-site>

- Developed a **full-stack blogging platform** with **Django REST framework** (backend) and **React.js** (frontend).
- Implemented core features: **user authentication, CRUD for posts, comments, categories, and search functionality.**
- Designed a responsive UI with React and managed API communication using Axios.
- Used PostgreSQL for relational data storage and Django admin for backend management.

## MULTI-ROLE E-COMMERCE SYSTEM WITH SELLER DASHBOARD

Django / HTML/CSS / SQLite / Bootstrap

GitHub: <https://github.com/nahidislamz/Multi-Role-E-Commerce-System-with-Seller-Dashboard>

- Built a full-featured **e-commerce web app** with user and seller roles using Django.
- Implemented **authentication**, product search, category filters, shopping cart, and order tracking.
- Developed **seller dashboard** for product management, order updates, and profile control.
- Designed dynamic pages for **cart, profile management, and order history** with responsive UI.

## Languages

- English – Advanced
- Bangla – Native

## Activities and Interests

Football, Anime, Go Carting, Swimming,