Nitish Ahuja

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Education

Master of Science, Computer Information Systems   September 2023 – August 2025
Northeastern University, Boston, MA   GPA: 3.76/4.0

Professional Experience

Avenue One - Full Stack Engineer | New York City, NY   May 2024 – December 2024
— Projected a **15% revenue increase** by developing a **Transaction Management System** that standardized **100K+ data points** across **10K+ properties**, optimizing rental leases and maintenance workflows for asset management
— **Reduced API failures by 60%** by using **Serverless Stack Toolkit** to test **Node.js-based AWS Lambda functions** pre-deployment and automating the process with **GitHub Actions**, integrating with **Next.js**, **React v18**, and **Aurora RDS** for seamless data management
— **Minimized data inconsistencies by 60%** by implementing UI-triggered workflows that invoked **store procedures**, ensuring **database version control** with **Liquibase**, and standardizing development environments using **Docker**.
— **Led the migration from REST to GraphQL**, improving **API response times by 25%** and reducing **cloud compute costs by 18%**, while implementing **CI/CD pipelines** to automate deployment and ensure efficient testing
— Automated reconciliation workflows, **reducing manual effort by 85%** for asset management team, by deploying **AWS Glue**, **SQS**, **Step Functions**, and **Python-based ETL** to efficiently detect and process recurring lease validation patterns

Decision Point Analytics - Software Engineer   June 2021 – July 2023
— Engineered "**Beagle**" an enterprise Generative AI BI platform integrated with Microsoft Teams and Slack, building **TypeScript & React** interfaces and architecting **Spring Boot** services with a custom **NLP engine**, enabling natural language query resolution and driving **$800K** in revenue
— Created and deployed **Redux-driven** onboarding workflows with schema-based validation and incomplete-flow detection logic, **reducing enterprise integration drop-offs by 25%** and improving connector stability for **Power BI and RDBMS platforms**
— Architected a role-based system with **RBAC** and **Kafka** in **Spring Boot**, enabling **analysts and authorized users** to send contextual nudges based on user roles and cohort learnings through the **dashboard**, increasing **user engagement by 40%** for decision-makers
— Designed a **queue-based refresh orchestration pipeline using Spring Boot and Redis** to coordinate frontend **polling** with backend processing, **reducing dashboard latency by 30%** and enabling near real-time data visualization at scale
— Proposed and led the launch of "Beagle Charts," a **customizable React visualization library using Chart.js, D3.js, and 3D rendering**, **leading a team of 4** and aligning with stakeholders to enhance analytics tooling and **improve user retention by 35%**

Elev8 Solar – Full Stack Product Engineer   May 2022 – June 2023
— **Drove $50K+ in first-year revenue** by launching a renewable energy startup, managing a 6-member team, and implementing data-driven customer acquisition strategies for scalable solar solutions
— **Reduced onboarding & project setup time by 40% (**_from ~5 days to 3 days_**)** by integrating **Python, Azure Logic Apps, and Azure DevOps Pipelines with Terraform**, automating workflows from consultation to deployment-ready proposals
— **Increased user engagement by 25%** and improved financial transparency by **developing a cost analysis and projection tool** using **Python, Pandas, and Power BI**, integrating local energy rates & installation costs to provide data-driven solar investment insights

Projects

Resume Matcher AI   February 2025
— **A Chrome extension** that **increased application-to-interview conversion rates by 1%**, **serving 100+ active users** by leveraging **Generative AI** for resume optimization and utilizing **PostgreSQL** for structured data storage
— **Migrated from OpenAI API to a custom fine-tuned BERT model**, **hosting costs by 60%** and **improving data security**, while integrating a **Golang API** for **low-latency processing** and achieving **99% uptime** via **AWS EC2 & S3** and **load balancing**

AI Real Estate Financial Analysis   December 2024
— **Developed a real estate underwriting tool** using **XGBoost** and **synthetic data generation** to predict key investment metrics like **ROI**, **NOI**, **Cap Rate**, and **Annual Cash Flow**, with **85% prediction accuracy** and an **MAE under 5%**
— **Engineered an optimized pipeline** for data preprocessing, **model training**, and **real-time predictions**, processing **500K rows of property data** to predict investment metrics, enabling faster and more accurate property evaluations

Skills

Languages:	JavaScript, TypeScript, Java, Python, Go, HTML, CSS, SQL
Frameworks & Tools:	React.js, Node.js, Next.js, Express.js, Spring Boot, FastAPI, GraphQL, RESTful APIs, tRPC, Kubernetes, Docker, Jenkins, AWS (EC2, S3, Lambda), Azure, Terraform
Databases:	PostgreSQL, MySQL, MongoDB, Snowflake, RDS, NoSQL