

Ahmed Ali

📍 New York, NY

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Education

Queens College, City University of New York

BS in Computer Science

Flushing, NY

Expected Graduation: DEC 2025

- **Coursework:** Data Science, Machine Learning, Deep Learning, Computer Vision, Software Engineering, Database Systems, Internet & Web Technologies, Cloud Computing, Design and Analysis of Algorithms.

Experience

Data Science Fellow

CUNY Tech Prep

Remote

June 2025 – Oct 2025

- Built and deployed multiple predictive models using Python, TensorFlow, and Scikit-learn.
- Conducted end-to-end machine learning workflows; data wrangling, feature engineering, model training, and evaluation.
- Developed dashboards and visualizations to communicate insights from real-world datasets.
- Completed technical interviews, pair programming, and weekly coding challenges as part of career readiness.

Software Engineer Fellow

Headstarter

Remote

June 2024 – July 2024

- Selected for a competitive 5-week program focused on building 5+ AI-driven projects from ideation to deployment.
- Developed and shipped web-based tools using React, Node.js, and Firebase in agile team settings.
- Completed daily coding challenges, code reviews, and mock interviews with senior engineers.
- Participated in hackathons, contributing to full-stack apps and presenting MVPs under tight deadlines.

Operations Associate

DashMart by DoorDash

Long Island City, NY

Apr 2023 – Apr 2025

- Collaborated with cross-functional teams to streamline parcel logistics and delivery flow, improving fulfillment speed.
- Reported app bugs and shared feedback with the tech team to help improve the user experience.
- Used internal platforms and tools to optimize sorting and tracking, reducing errors in order handling.
- Communicated using Jira and Slack to escalate bugs and track operational resolutions.

Projects

Spam Email Detection: Model Evaluation & Comparative Analysis | Python, Scikit-learn, NLTK, Pandas, Jupyter

- Built a supervised learning pipeline to classify spam emails using Logistic Regression, Naive Bayes, Random Forest, XGBoost, SVM, and more.
- Applied **feature engineering** techniques including tokenization, stopword removal, and n-gram vectorization.
- Cleaned and imputed missing data; optimized class balance using **SMOTE**.
- Evaluated models with accuracy, recall, precision, F1-score, and confusion matrix, achieving up to **98%** accuracy.

Automated Class Registration Tracker | Python, BeautifulSoup, Twilio API, GCP, AWS

- Deployed a cloud-based system to monitor and notify students of open class slots.
- Built a real-time web scraper using BeautifulSoup with SMS alerts via Twilio.
- Deployed on GCP and AWS for **99.9%** uptime with automated failover redundancy.
- Enabled **24/7** course availability tracking and instant notifications.

Local Business Finder & Travel Itinerary Planner | React, Node.js, Google Maps API, MongoDB

- Created a full-stack app for personalized local search and trip planning.
- Built interactive frontend in React and scalable backend in Node.js with MongoDB.
- Integrated Google Maps API for geolocation and route optimization.
- Designed UI/UX in Figma and handled **100+** daily queries in the first deployment.

Technical Skills

Languages: Java, Python, C++, JavaScript, SQL, HTML, CSS

Data Science & ML: Pandas, NumPy, Scikit-learn, TensorFlow, Deep Learning

Web & Frameworks: React, Node.js, Flask, Tailwind CSS, Material UI, TypeScript

Databases & APIs: MongoDB, MySQL, Google Maps API, Stripe API, JDBC

Tools & Platforms: Git, GitHub, Firebase, AWS, Microsoft Azure, Google Cloud, Figma