

Keshav Goel

+1 (201) 895-8340 — kgoel9657@gmail.com — linkedin.com/in/goel-keshav — keshavgoel.xyz

Education

Northeastern University

Boston, MA

BS in Data Science and Mathematics

GPA: 3.88, Expected May 2027

Experience

Software Engineering Co-op

Jun 2025 - Present

Johnson & Johnson

Raritan, NJ

- Deployed 5 internal Slack microservices with **Node.js**, **Docker**, **Kubernetes**, reducing cross-team latency by 30%
- Co-led cross-functional **GenAI team**, delivering internal tools and scaling 10+ solutions to 20+ teams, driving **35% adoption growth** and halving discovery time
- Enhanced and documented **Orthanc EC2 DICOM server** with **S3 + Kubernetes + Confluence**, cutting hospital setup by **30%** and improving scalability

Data Science Research Assistant

Oct 2024 – Present

Northeastern University

Boston, MA

- Selected for **5-person dev team** to engineer **Python/SQL ETL** for 5TB+ data, improving data quality by **75%**
- Modeled **20K+ incidents** with regression/time-series models, achieving **88% precision** in predicting 5 high-risk areas

AI Product Intern

May 2024 – Aug 2024

VDart Inc.

Atlanta, GA

- Developed AI resume/interview review platform with **Python**, **Cuda**, **Ollama**, **SpaCy**, **FastAPI**, **HuggingFace**, improving applicant parsing speed by **30%**
- Built datalake with **MongoDB**, **S3**, **Firebase**, **Kubernetes** to process 10TB+ data, cutting retrieval time by **45%**

Projects

NUPathfinder – Career Skill-Matching Platform

Streamlit, Flask, MySQL, Docker, REST APIs

- Deployed full-stack platform matching student skills to co-op requirements, supporting **50+ students/advisors**
- Improved match accuracy by **25%** through **SQL queries**, **relational DB design**, **A/B testing**, and 50+ custom REST APIs

Textmate – AI-Driven Sentiment Analysis Tool

Python, NLTK, OpenAI API, Pandas, Plotly

- Engineered reusable **NLP pipeline** analyzing sentiment in **1,000+ sports articles**, reducing manual review by **60%**
- Automated scraping, preprocessing, scoring, and visualization, surfacing sentiment trends for **non-technical users**

BreatheEasy – Pollutant-Aware Navigation App

Flutter, Dart, Google Maps API, Shelf, Docker

- Programmed navigation app integrating **Google Maps API + AQI data**, lowering user pollutant exposure by **20%**
- Launched backend with **Shelf + Docker** to process **10K+ API queries**, ensuring scalability and performance

Bububble – AI-Powered Skill Tracker

Next.js, TailwindCSS, Supabase, OpenAI

- Developed interactive skill tracker with **bubble-based UI + realtime Supabase**, enabling users to visualize progress and “pop” completed skills
- Implemented secure **Supabase backend with Postgres Schema, Auth, and AI Edge Functions**, delivering personalized skill recommendations and practice questions

Skills

Programming & Frameworks: Python, SQL, Java, JavaScript, R, Node.js, React, HTML, Streamlit, Typescript

Cloud & DevOps: Bitbucket, Jira, Confluence, AWS S3, Docker, Kubernetes, Jenkins, Redshift, Git, Firebase, Unix

Data Science & Tools: Scikit-learn, Statistics HuggingFace, NumPy, Linux, Tableau, Pandas, FastAPI

Concepts: Agile Scrum, DSA, OOP, CI/CD, Standup Development, Public Speaking, CRM, Cloud Computing

Leadership: BU Bhangra Secretary, CodePath TIP, DS2000 TA, Eagle Scout