

Rohan Kumar | [rohankumar.id@gmail.com](mailto:rohankumar.id@gmail.com) | <https://www.linkedin.com/in/rohan-kumar-rkumar/>  
<https://github.com/rohannes220> | Boston, MA | (510) -399-8227

## EDUCATION

Northeastern University, Boston, MA

Dec 2026 (Commencement: Apr 2027)

*Master of Science in Computer Science*

University of California-Riverside, Riverside, CA

June 2022

*Bachelor of Arts*

## SKILLS

- **Languages:** Java, Python, SQL, JavaScript, C, HTML, CSS
- **Libraries & Frameworks:** Apache Spark, Pandas, NumPy, Scikit-learn, Matplotlib, IBM Cognos, Looker Studio, JavaFX, XChart, Turtle
- **Tools & Platforms:** Git, VS Code
- **Databases:** PostgreSQL, SQLite, MongoDB
- **Certifications:** IBM Data Engineering, Business Intelligence Dashboards, Big Data with Spark & Hadoop, Databases & SQL with Python, Introduction to NoSQL Databases, Java & Software Engineering (Duke), Google Project Management (In Progress), Python for Data Science, Generative AI and Data Engineering.

## EXPERIENCE

Sonnet Biotherapeutics, Princeton, NJ

Feb 2024 – June 2024

*Software Engineering Intern*

- Designed a role-based access control system for a simulated multi-department environment, managing secure access for 60+ hypothetical employees using sample organizational data from HR, legal, and pharmaceutical teams.
- Developed a risk analysis tool to evaluate 190+ countries on corporate tax, GDP growth, political stability, and governance using sample datasets, generating insights for simulated decision-making exercises.
- Created a clinical trial management system to process CSV files, extracting patient demographics, symptoms, and treatment outcomes.

Bank of America, Lafayette, CA

Dec 2022 – Sep 2023

*Relationship Banker*

- Delivered outstanding customer service by engaging in meaningful, personalized conversations that address individual financial needs.
- Monitored client accounts for potential risks and opportunities, ensuring compliance with banking policies and regulations.
- Identified opportunities to promote bank products and services (such as loans, credit cards, and investment solutions) to clients.

U.S. Department of State, Washington DC

June 2021 – Sep 2021

*Pakistan Desk Intern*

- Researched counterterrorism and counterproliferation policies by analyzing legislation and tracking militant group activity.
- Summarized classified and diplomatic cable content into actionable intelligence updates for desk officers.
- Produced briefs on political, economic, and compliance trends to support decision-making.
- Contributed to women's economic development initiatives through climate-sustainability projects.

## PROJECTS

- **World's Largest Banks ETL Pipeline** – Python, Pandas, BeautifulSoup, SQLite  
Developed an automated ETL pipeline to scrape and normalize public financial data for the top 10 global banks. Implemented currency conversion and exported processed results to SQL and CSV formats.
- **E-Commerce Retail Sales Platform** – Apache Spark, MongoDB, SQL, Python, IBM Cognos, Scikit-learn  
Built a simulated retail analytics platform integrating ~100+ SQL/NoSQL sample records. Preprocessed data with Spark pipelines, trained ML models for revenue forecasting, and created interactive IBM Cognos dashboards.
- **Chicago Economic Data Analysis** – Python, Pandas, SQLite, SQL  
Analyzed 500+ crime reports, 78 census records, and 560+ school profiles from Chicago datasets. Combined and queried data to explore relationships between community demographics, crime, and education.
- **Brazil Waste** – Python, SQL  
Designed a data warehouse for a Brazilian company using hypothetical waste collection data (3 cities, 4+ stations, 1 year); built Python ETL pipelines and SQL queries to generate reports on 4.5K+ tons of waste collected, average weight by city, and max load per station.

- [SwiftAuto Car Sales & Profits Dashboard](#) – Looker Studio, IBM Cognos  
Created interactive sales and service dashboards analyzing 70+ vehicle sales records across dealers, visualizing profits, recalls, and customer sentiment using bar charts and heatmaps for business insights.
- [Adventure Game Engine](#) – *Java, JSON*  
Made a text-based game engine using MVC architecture. Integrated JSON-driven rooms, puzzles, and save/load functionality for extensible gameplay.