Irfan Ali Rathore

Sayreville, NJ | LinkedIn: in/irfanrathorenjit/ | Email: ir89@njit.edu | GitHub: IrfanaRathore

EDUCATION

New Jersey Institute of Technology | Bachelor of Science　　　　　　　　　　　**Newark, NJ**
Major - **Data Science**, Minor - **Philosophy & Applied Ethics**　　　　　　Expected Graduation May 2026
Objective: Passionate about data engineering, software development, and backend systems.

SKILLS

Programming: Python, TypeScript, Java, JavaScript, C++, C#, Go, R, SQL, Scala, PySpark, HTML, CSS, AJAX

Cloud & Technologies: AWS, Azure, Google Cloud, Snowflake, Apache, DOMO, Linux, Oracle, OAuth 2.0

Tools & Frameworks: BeautifulSoup, Selenium, PowerShell, Tableau, Postman, Git/GitHub/GitLab, JIRA, MS Office

Web & Frontend: Next.js, React.js, SCSS, AJAX, JQuery, Three.js

EXPERIENCE

COLGATE-PALMOLIVE　　　　　　　　　　　　　　　　　　　　　　　　　**Spring 2025**
Incoming Data Visualization Engineer Intern　　　　　　　　　　　　　　　　Piscataway, NJ
Set to join Colgate-Palmolive's data engineering team to develop interactive dashboards for business intelligence.

- Set to join Colgate-Palmolive's data engineering team to develop **interactive dashboards** for business intelligence.
- Will work on **data visualization, SQL optimization, and cloud-based analytics solutions** for global consumer data.

AMAZON AUDIBLE　　　　　　　　　　　　　　　　　　　**June 2024 - August 2024**
Software Development Engineer (SDE) Intern, STAGG Team　　　　　　　　　　Newark, NJ

- Pioneered entry into Audible's SDE internship as the first Newark Audible Scholar
- Developed a Java-based Populator within STAGG's API Populator Framework, enabling interactive content scheduling on the Audible app (27.3 million monthly users)
- Converted JSON data into STAGG's TypeScript view model, ensuring seamless customization for marketing campaigns
- Utilized AWS (CloudWatch, DynamoDB, RDS, S3) to support scalable data delivery and Amazon's "Brazil" CLI

T&M ASSOCIATES　　　　　　　　　　　　　　　　　　**September 2023 - May 2024**
Software Development Intern　　　　　　　　　　　　　　　　　　　　　Middletown, NJ

- Refactored legacy applications to enhance data efficiency (JavaScript, C#, NUGET, MSSQL, .NET)
- Optimized SQL queries, improving query efficiency by 68%, and implemented efficient data retrieval processes within C#
- Built and refactored reusable libraries and packages, supporting updates across applications
- Integrated DELTEK and Kepler.gl APIs with Azure Functions, delivering geographic insights and engineering data

AMAZON AUDIBLE FUTURE LEADERS SCHOLAR　　**January 2020 – June 2021 (Junior - Senior Year of HS)**
Software Practice Intern, Data Discovery & Democratization　　　　　　　　　Hybrid/Newark, NJ

- Leveraged PySpark to efficiently process large datasets, optimizing workflows within Airflow Directed Acyclic Graphs
- Documented SQL and Apache Airflow processes to support collaborative, scalable data handling across teams
- Managed Tableau dashboards, organizing metrics with Excel for enhanced data accessibility

PROJECTS

Portfolio Website | *HTML, CSS, JavaScript, SCSS, Three.js, Web Design, UI/UX*

- Developed a PlayStation 2-inspired interactive portfolio website using Three.js to create dynamic 3D animations
- Implemented a floating cube animation and memory card system to replicate the PS2 UI, enhancing user engagement
- Integrated hover-based interactions, sound effects, and smooth transitions for a nostalgic experience.
- Designed a structured navigation system linking GitHub projects, a Medium blog, and a contact form

TikTok Shop Email Scraper | *Python, Flask, React.js, OAuth, Google API, Web Scraping, Excel*

- Engineered a full-stack web application that automates order data extraction from TikTok Shop email confirmations and exports it into an organized Excel sheet for e-commerce sellers
- Integrated Google OAuth 2.0 authentication to securely access Gmail inboxes and fetch order confirmation emails
- Utilized BeautifulSoup and regular expressions to parse email content and extract key order details
- Designed a React.js frontend with a Next.js-based UI featuring an animated carousel for a seamless user experience
- Deployed the application using Render and Vercel, ensuring a scalable and production-ready environment via cloud