# Rishabh Verma

Project Manager

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## SUMMARY

Data Science major with a Business minor from NJIT, specializing in data analysis, quantitative modeling, and deep learning, with hands-on experience in finance research, project coordination, and web development for nonprofits.

## EDUCATION

**B.S. Data Science & Minor in Business**                                                                                      Sep 2021  -  Dec 2025

**New Jersey Institute of Technology**                                                                                                                  New Jersey

**CS288**-Intensive Programming in Linux, **CS482**-Data Mining, **CS370**-Introduction to Artificial Intelligence, **FIN320**-Finance Data Analytics, **FIN310**-Data-Driven Financial Modeling, **CS493**-Senior Capstone II, **CS331**-Database System Design and Management, **MATH478**-Statistical Methods in Data Science,  **FIN218**-Financial Markets and Institutions, **FIN315**-Fundamentals of Corporate Finance, **ACCT117**-Principles of Financial Accounting, **ECON201** Economics, **MATH337**-Linear Algebra, **COM312**-Oral Presentation

## KEY SKILLS

Quantitative Analysis, Data Analysis, Statistical Modeling, Complex Data Sets, Data Manipulation, Data Visualization, Deep Learning Frameworks, Big  Data environment, Statistical Data Mining, AWS, MS Project, Python, SQL, HTML, Bash, Docker

## WORK EXPERIENCE

**Coordinator & CECC IT Specialist**                                                                                               Sep 2021  -  Present

**Career Development Services-NJIT**                                                                                                             Newark, NJ

- **Collaborating** with nonprofits on their websites, newsletters, banners, etc. Websites include dblnj.org, estherinstitute.org, gracewestmanor.com, kab.org, njit.edu and others
- **Administering** projects in waterfall structure using **MSProject** to bring efficiency into the critical path
- **Coaching** newcomers on how to analyze each website, how to use the software used to develop websites, and how to interact with clients and report properly to employers.
- **Directing** a team of 3 Grad students, working on an Android app for Paralympic track events. I am also managing a team of undergraduates who work on websites, flyers, and newsletters.
- **Updating** cecc.njit.edu. Adding fresh projects, reducing phone call rates by 60%, and increasing team productivity. This helped pass a better budget to the department by the institute.

## PERSONAL PROJECTS

**Made a Finetuned Retrieval Augmented Generation**                                                                       Oct 2024  -  Dec 2024

**Trash Collection System**                                                                                                                           Newark, NJ

- **Constituted** an Environment using **PyTorch**, **qdrant** and **clearml** to create the backend logic of the application
- **Formed** ETL **pipeline** to store raw data in **MongoDB** regarding vehicle routes
- **Engineered Ollama** and **huggingface** to develop and deploy the gradio application to fine-tune routes
- **Programmed** a Lexical Analyser, Parser, and interpreter to make a running compiler using my own syntax

**Invented a dynamic routing system for school buses in India, optimizing transportation efficiency.**                                                                       Mar 2018  -  May 2018

**Baal Vigyan**                                                                                                                                                       India

- **Invented** a dynamic routing system for school buses in India, optimizing transportation efficiency.
- **Implemented** real-time tracking for students and parents, offering alternative board options for late or remote students.
- **Awarded** the "Best Compliment 2018 (High School)" recognition.
- **Assisted** in traffic improvement and reduced delays in student pickup, minimized unnecessary stops, and enhanced communication between the drivers and the students/parents/teachers. This led to cutting carbon emissions by **20%**.
- **Designed** route optimization software for efficient urban trash collection in India, resulting in annual savings of $3,200 across three cities.
- **Successfully** mitigated littering and enhanced city aesthetics by **40%**.
- **Contributed** to the city of Indore (in India), winning "the cleanest city in India for the **8th** time in a row.

### Research

**Finance Research Assistant**                                                                                                               May 2024  -  Feb 2025

**Martin Tuchman School of Management**                                                                                                                    NJIT

- **Wrote** a Decentralized Finance Research paper under Dr. Wang, as the second author
- Utilized **BEKK-GACH Model** for analyzing data from Bloomberg Index and using Latex to write the paper
- Presented it in **SWFA 2025**, Texas
- **Trained** an intern the process of collecting data, and writing research paper