

Prateek Gautam

Lyndhurst, NJ | pgautam41@gatech.edu | 973-313-4987 | [LinkedIn](#) | [Github](#) | [IBM Certified](#)

EDUCATION

Georgia Institute of Technology, Atlanta, GA | *M.S. in Analytics* | *Computational Data Analytics* 2023-Present

College of Engineering and Computing, *GPA: 4.0*

Relevant Coursework: Analytics Modeling, Regression Analysis, Data and Visual Analytics for Business

Memberships: Data Science @ GT, Association for Computing Machinery (ACM)

Ramapo College of New Jersey, Mahwah, NJ | *B.S. in Mathematics* | *Presidential Scholar* | *Dean's List* 2015-2019

Minors in Computer Science and Economics

PROFESSIONAL EXPERIENCE

Zest Wealth Management, LLC | **Lyndhurst, New Jersey - Remote**

November 2021-Present

DATA ANALYST / SCIENTIST

- Developed and refined predictive models for potential holdings to 20+ fund managers, achieving 76% better returns over the historical performance of the S&P500.
- Applied advanced analytics techniques to guide marketing and product strategies, resulting in a 3x increase in website traffic, a 55% sales lift, and an increased market penetration in 3 countries.
- Led a cross-continental team in maximizing returns and minimizing risks in emerging markets (primarily NEPSE and NIFTY), achieving an impressive 25% YoY net growth in the portfolio.
- Built a proprietary interactive dashboard for 120+ private sector clients to explore investment opportunities across 20+ geographies, fostering global investment exploration.
- Coached 7 summer interns and launched a mentorship program for new hires in the Kathmandu office.
- Authored compelling content for investment brochures and prospectuses, resulting in a 15% increase in investor engagement and a \$200k increase in assets under management.
- Extracted and analyzed data from multiple sources to build mission-critical metrics and tracked Key Performance Indicators (KPIs) to achieve a 90%+ client retention rate.

Digital Pioneers Academy | **Washington, DC**

September 2019-October 2023

COMPUTER SCIENCE TEACHER AND CURRICULUM DESIGNER

- Implemented and evaluated STEM programs through analytics, resulting in a 10% growth in PARCC scores and surpassing the national average with an 85% pass rate in the College Board AP CSP/CSA tests.
- Designed and delivered curricula aligned to state and national standards, integrating technology to enhance in-person and online learning experiences. 95% of students wanted to retake the class.
- Leveraged advanced analytics to analyze student responses across assessments (MCQs and Free Responses) and identify areas of improvement, resulting in a 15% average improvement in students' GPAs.
- Created an interactive dashboard to visualize learning progress and engagement metrics using 15+ data points for each student (extracted from the SchoolRunner and PowerSchool LMS) to inform instructional decision-making.
- Awarded the **"DC Bold School"** accolade in 2022.

TECHNICAL PROFICIENCIES

Data Analysis: Python3, R, MS Excel (financial modeling, VBA, Macros), SQL

Development Platforms/Languages: C++, Python, Visual Studio, Git, Jupyter

Data Visualization: Tableau, seaborn, ggplot

PROJECTS

EVolution: Transforming Transportation with Electric Vehicles: Analyzed Electric Vehicles' long-term viability as a replacement for combustion engine cars, earning an **Honorable Mention** in the [Interdisciplinary Contest in Modeling](#).

Predicting Cancer (Breast Cancer Wisconsin): Engineered ensembled logistic regression, support vector, and random forest models to predict benign and malignant cancer with 97.9% accuracy.

Goals Define Games: Performed an in-depth statistical analysis of goal-scoring dynamics among the 40 English Premier League and La Liga teams in the 2022 season, correctly predicting the tournament Champions and 5 out of 6 relegated teams.