VINOD GEORGE

(201) 925-8449 | vgeorge@ramapo.edu | LinkedIn | GitHub | Portfolio

ABOUT ME

Senior Computer Science student with strong foundation in Python, SQL, and R, and experience using Tableau and Power BI to develop interactive dashboards. Applied analytical skills at Staples and Envisions by WorldStrides to optimize marketing strategies and track inventory, supporting data-driven decision-making. Seeking a Data Analytics Intern role to further develop reporting and visualization expertise.

EDUCATION

Ramapo College of New Jersey   **Aug 2026 - May 2027**
M.S., Data Science
- **Achievements:** Honors College, Dean's List
- **Coursework:** Data Structures & Algorithms, Machine Learning, Deep Learning, Data Visualization, Object-Oriented Programming, Operating Systems, Statistics & Applications, Linear Algebra

Ramapo College of New Jersey   **Aug 2022 - May 2026**
B.S., Computer Science
- **Achievements:** Honors College, Dean's List
- **Coursework:** Data Structures & Algorithms, Machine Learning, Deep Learning, Data Visualization, Object-Oriented Programming, Operating Systems, Statistics & Applications, Linear Algebra

PROJECTS (more in portfolio)

NBA Parlay Recommendation System
- Developed real-time player performance predictions by integrating APIs from PrizePicks, DraftKings, Basketball Reference.
- Implemented dynamic parlay generation and success rate predictions using advanced statistical modeling.
- Designed a React-based frontend with interactive data visualizations showcasing simulations.
- Collaborated via GitHub issues and code reviews to iterate on model features

Personalized Media Recommendation System
- Built a custom recommendation engine using NLP models and sentiment analysis for content filtering.
- Implemented content-based filtering with TF-IDF/embeddings and sentiment features to rank items per user profile.
- Built API endpoints to serve top-N recommendations; logged clicks for implicit feedback and iterative re-ranking.
- Designed an AI-powered ranking system for trending content, improving engagement by 20% in prototype testing

WORK EXPERIENCE

Staples   **Oct 2022 - Present**
Print, Tech, and Marketing Associate   *Ramsey, NJ*
- Analyzed large-scale sales data using SQL queries and pandas to optimize marketing strategies, boosting cross-selling revenue by 15-20%.
- Assisted 100+ small businesses in using Excel and visualization tools to create marketing dashboards, which improved campaign decision-making and increased client engagement
- Developed and utilized customized reporting solutions with Excel, Adobe Acrobat, and Google Suite, delivering faster reports that met customer requirements and enhanced satisfaction

Envisions by WorldStrides   **Jun 2025 - Aug 2025**
Logistics Intern   *Baltimore, MD*
- Built inventory tracking spreadsheets using Excel with advanced formulas and data validation for 200+ SKUs, reducing allocation errors across venues.
- Partnered with program leads to forecast daily equipment needs, applying analytical skills and Excel visualizations to improve setup efficiency during peak cohorts.
- Documented processes and ownership, enabling handoffs and faster incident resolution

TECHNICAL SKILLS

- **Languages:** Python, C++, R, Java, JavaScript, TypeScript, C, HTML/CSS
- **Machine Learning & AI:** Scikit-Learn, PyTorch, TensorFlow, Generative AI, NLP, AI Chaining, Prompt Engineering
- **Data Processing, Analysis & Visualization:** Pandas, NumPy, SQL, Excel, Matplotlib, Seaborn, Power BI, Tableau
- **Frameworks & Tools:** Flask, FastAPI, React, Chart.js, Tailwind CSS, AWS, Docker, Unix/Shell
- **Version Control:** Git, GitHub
- **Core Competencies:** Data Analysis Tools, Analytical Skills