

VINOD GEORGE

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ABOUT ME

My name is Vinod George, a senior Computer Science student pursuing opportunities in Data Science, Analytics, and AI. My primary language is Python, supported by experience in SQL, R, and C++, with growing familiarity in AWS and data viz tools such as Tableau and Power BI. I have built end-to-end projects with APIs, ETL, and interactive dashboards that turn messy data into clear decisions. In a nutshell, I am recognized as vocal, quick to absorb new information, and meticulous to detail, qualities that strengthen collaboration, research, and problem-solving in team settings. My goal is to bring both technical skill and clear communication to teams that value collaboration, innovation, and shared success.

EDUCATION

Ramapo College of New Jersey

B.S. & M.S. in Computer Science/Data Science

Mahwah, NJ

Expected Graduation: May 2026/May 2027

- **Honors/Awards:** Honors College, Dean's List
- **Relevant Coursework:** Data Structures & Algorithms, Machine Learning, Deep Learning, Data Visualization, Object-Oriented Programming, Operating Systems, Statistics & Applications, Linear Algebra

PROJECTS (more can be found on GitHub)

NBA Parlay Recommendation System | Python, Flask, FastAPI, React, Chart.js, NumPy, Pandas

In Progress

- 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 | Python, Flask, React, Tailwind CSS, NLP

In Progress

- 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.

PROFESSIONAL AND APPLIED EXPERIENCE

Print, Tech, and Marketing Associate | Staples | Ramsey, NJ

Oct 2022 – Present

- Analyzed **large-scale sales data** to optimize marketing strategies, boosting **cross-selling revenue by 15-20%**.
- Assisted **100+ small businesses** in leveraging digital tools for **data-driven marketing**
- Utilized **Microsoft Office, Adobe Acrobat, and Google Suite** to develop solutions with customers by using customer service skills.

Logistics Intern | Envisions by WorldStrides | Baltimore, MD

Jun 2025 – Aug 2025

- Built inventory tracking spreadsheets with formulas and data validation for **200+ SKUs**, reducing allocation errors across venues.
- Partnered with the program leads to forecast daily equipment needs and visualize shortages; **improved 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 (Claude Code, Claude, Gemini, ChatGPT, etc.)
- **Data Processing/Data Analysis and Science:** Pandas, NumPy, SQL, Excel, Matplotlib, Seaborn, Power BI, Tableau
- **Frameworks & Tools:** Flask, FastAPI, React, Chart.js, Tailwind CSS, AWS (learning), Docker (learning), Unix/Shell (learning)
- **Version Control:** Git, GitHub