

Nandika Karnik

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EDUCATION

New Jersey Institute of Technology Newark, NJ
Bachelor of Arts in Computer Science, Minor in Mathematics of Finance & Actuarial Sciences Sept. 2023 – Dec 2026

- GPA: 3.77, Dean's List: Fall '23, Spring '24, Fall '24
- Coursework in Machine Learning, Data Analytics, Databases, Object-Oriented Programming, Data Structures, Linux, Discrete Mathematics, Statistics, Microeconomics
- Organizations: NJIT Investment Fund (Analyst), Baking Club (Treasurer), Women in Computing Society

PROJECTS

NY Graduation Model | *Python, Scikit-Learn, seaborn, pandas, matplotlib, Jupyter Notebook* Oct 2024 – Dec 2024

- Built machine learning models to predict graduation rates using NYC public school data
- Visualized correlations with heatmaps and feature importance
- Collaborated in a team to evaluate models for accuracy and interpretability

Credit Predictor | *Python, Scikit-Learn, pandas, Google Colab* Oct 2024 – Dec 2024

- Developed a Random Forest model with up to **81.5% accuracy** on German Statlog Credit Data
- Used Confusion Matrices, Feature Importance charts, and Classification Reports for analysis
- Teamed up via GitHub and documented key learnings in a final report

Personal Website | *HTML, CSS* Feb 2025 – Present

- Designed and deployed a responsive personal portfolio to highlight technical work

SKILLS

Programming Languages: C/C++, Java, Python, SQL (MySQL), Bash
Tools: Git, Jupyter Notebook, Anaconda, Visual Studio Code, PyCharm, IntelliJ, MS Excel
Libraries: Scikit-Learn, pandas, NumPy, Matplotlib
Languages: Hindi, French
Skills: Quantitative Research, Data Analytics, Leadership, Communication

EXPERIENCE

Analyst Dec 2023 – Present
NJIT Investment Fund Newark, NJ

- Proposed a profitable consumer sector investment for the portfolio that has grown by over **20%**
- Conducted equity research on S&P 500 consumer stocks using Excel
- Authored investment theses and constructed DCF valuation models

Founding Board Member July 2020 – June 2023
Project Engage NJ West Windsor, NJ

- Raised **hundreds of dollars** via virtual/in-person fundraisers
- Built and maintained a Wix-based organization website
- Recruited and led a team of **20+** high school students
- Taught Java programming to elementary and middle school students

Rotational Pit Crew, Programmer, Outreach Sub-Team Member Aug 2021 – May 2023
MidKnight Inventors Robotics Team, FIRST Robotics West Windsor, NJ

- Performed system checks and updated code as pit crew trainee
- Worked in a collaborative programming team for robot development

CERTIFICATIONS

CPA - C++ Certified Associate Programmer | *C++ Institute* Issued Aug 2024