

NEEL KULKARNI

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EDUCATION

Stevens Institute of Technology | Hoboken, NJ | BS in Computer Science | Expected May 2025 + MS in ML

Related Coursework: Discrete Structures, Data Structures, Algorithms, Computer Architecture, Database Management, Theory of Computation, Knowledge & Data Mining, Systems Programming

GPA: 3.79/4.0

Awards: Dean's List, Edwin A. Stevens Scholarship, Presidential Scholarship

Activities: Stevens Computer Science Club, Stevens Robotics Club, Indian Undergraduate Association, Stevens Student Management Investment Fund Quant Candidate

SKILLS

Software: Pandas, Excel, Jupyter Notebook, Git, Google Workspace, Eclipse, Visual Studio Code, Pybullet

Programming: Java, Python, C++, C, HTML, CSS, JavaScript

Certifications: Bloomberg Market Concepts (August 2023)

PROFESSIONAL EXPERIENCE

SOFTWARE DEVELOPER INTERN | Epsilon Consulting Services | New York, NY | July 2022 - August 2022

- Developed a software program to build a yield curve using a series of benchmark interest rates; calculated net present value of future cash flows of a Bond instrument
- Built a User Interface to capture interest rates for the benchmark instruments and display a yield curve
- Coded in Jupyter Notebooks and worked with Python, QuantLib, and pandas
- Assisted the lead programmer by troubleshooting code

AI RESEARCH INTERN | Stevens Institute of Technology | June 2024 - September 2024

- Conducted in-depth literature review on generalized task planning and robotic manipulation techniques
- Explored and applied AI algorithms in Python and Pybullet to enhance robotic task planning and execution
- Collaborated closely with a professor to design and refine a learning-to-plan framework
- Authored a research paper detailing a novel two-stage framework for generalizing task planning in robots

CO-FOUNDER & DIRECTOR OF OPERATIONS | Project YASH | West Windsor, NJ | May 2020 - Present
projectyash.org

- Co-founded a non-profit organization to assist children with special needs further develop their social skills
- Grew the organization to 80+ volunteers and helping 60+ participants with special needs
- Managed communication with volunteers, parents and oversee day-to-day operations
- Created leadership roles to ensure the organization's longevity; interviewed candidates for these roles

UNDERGRADUATE RESEARCH ASSISTANT | Stevens Institute of Technology | January 2024 - May 2024

- Explored ChatGPT's potential as a tool for enhancing code and application in software development
- Comparatively analyzed real-world developer-refactored code segments and their ChatGPT-refactored counterparts, evaluated the effectiveness of ChatGPT's output in real-world programming scenarios
- Iteratively conducted prompt engineering to maximize ChatGPT's effectiveness
- Worked in a team setting to establish research goals, design methodologies, and assess outcomes