

# Sachin Naraparaju

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## EDUCATION

**University of Maryland**, College Park, MD

Bachelor of Science - Computer Science

Minor in Philosophy and Business Analytics

College Park Scholars: Science, Technology and Society Living and Learning Program

Expected Graduation May 2025

*Cumulative GPA: 3.92/4.0*

- Selective 2-year living learning program built on exploring the powerful social, ethical and political relationships that drive research and innovation

**Relevant Courses:** Object-Oriented Programming, Discrete Structures, Introduction to Computer Systems, Algorithms, Organization of Programming Languages, Linear Algebra, Applied Probability and Statistics, Data Structures

## WORK/LEADERSHIP EXPERIENCE

**EXL** | Lambertville, New Jersey

June 2022 – August 2022

*Data Science Intern*

- Conducted comprehensive analysis and developed models using National Consumer Credit and Demographic data to create 3 response and conversion models, contributing to the implementation of direct-to-consumer marketing solutions for insurance and banking
- Applied SAS to execute linear regression models on large-scale data sets comprising 1,500,000+ records and 700+ variables, optimizing predictive accuracy and enhancing decision-making processes
- Summarized findings in 2 comprehensive campaign reports, providing actionable recommendations to enhance marketing strategies and maximize conversion rates
- Demonstrated an adept understanding of Excel and SAS through 6 projects in collaboration with off-shore team members

**Connected Foundation** | College Park, Maryland

September 2021 – June 2022

*Co-Director of Tech Literacy*

- Built and designed a comprehensive suite of 25+ Tech Literacy Materials, delivering impactful workshops to senior centers nationwide, effectively equipping and empowering over 500 volunteers.
- Collaborated with a team of 8 on developing a Technology Portal with SCAN Healthcare using WordPress and AWS capable of handling and matching 1000+ users
- Forged strategic relationships with 10+ local senior centers in Maryland and New Jersey, expanding access to technology resources by 50% and enabling 200+ seniors to learn new digital skills

## PROJECTS

**Stock Correlation (Hackathon Award Recipient) – Personal Project**

- Worked with team of 3 to web scrape data from 1,000+ posts from investing/stock subreddits and applied Natural Language Processing and Sentiment Analysis to track the sentiment from users on trending stocks. Stored 100+ stocks using MongoDB ATLAS and applied HTML/CSS to visualize the data
- Tech Stack: Python, PRAW, NLTK, Flask, MongoDB Atlas, HTML/CSS

**Document Manager – Class Project**

- Implemented a sophisticated text-based user interface and a comprehensive document management program in C, enabling users to seamlessly load and modify documents with efficient command processing capabilities

**Maze Traversal – Class Project**

- Designed and implemented a program that generates random mazes and developed a solver using industry-standard algorithms such as Depth-First Search, Breadth-First Search, and Dijkstra's algorithm.

## ACTIVITIES/HONORS

**Activities:** CPSIG - (Personal Finance Club), Big Think AI (Machine Learning Projects)

**Honors:** Phi Kappa Phi Honor Society, 4x Dean's List, Eagle Scout

## SKILLS

**Technical Skills:** Java • Python • C++ • C • Ocaml • React • JavaScript • HTML/CSS • SQL

**Interests:** Basketball, Soccer, Philosophy, Art