Samarth Parekh

sparekh2@umd.edu • (732) 812-7364 • linkedin.com/in/samarth-parekh • github.com/sparekh14

EDUCATION

The University of Maryland - College Park   **May '26**

B.S. in Computer Science

Relevant Courses: Object Oriented Programming I, Object Oriented Programming II, Discrete Structures, Computer Systems, Linear Algebra, Applied Probability and Statistics, Innovation & Research, Calculus I, II, III

PROJECTS

SportsPros | Personal Project   **September 2022**
- Developed an app to allow for community-wide engagement in the sports world
- Utilized Swift and Firebase to develop an intricate and strong database to store user-written articles and comments
- Allows for easy access to the latest sports news and community engagement through user-based comments
- Developed with a collaborative team due to our love for sports and want to create an engaging and safe sports community

Brain Boost | Mental Health Journaling App - PennApps   **March 2022**
- Built a journaling app to allow for users, to improve their mental health through daily journaling use as suggested by studies
- Utilized Swift to provide a coherent and simplistic interface for user-based access and Firebase to create a user database
- Won "Best Mental Health Hack" at HealthHacks hosted by UPenn

MyPA | Personal Voice Assistant   **March 2021**
- Developed a mini personal voice assistant that engages with the user in an interactive manner, providing various functionalities
- Utilized BeautifulSoup4 for web information retrieval, gTTS for text-to-speech analysis, pyttsx3 for speech capabilities, and extensive use of other libraries
- Provided a plethora of services including including time, weather, and stock retrieval as well as an equation solver, personal conversationalist, and more

AutoBots | Personal Project   **January 2021**
- Utilized Python's bs4 library to write automated scripts that track stock prices and products prices for personal use
- Developed an automated text-message bot through the Textbelt API utilizing Python's Requests library for making HTTP calls

PROFESSIONAL EXPERIENCE

Lead Project Intern | Edison Chamber of Commerce | Edison, NJ   **Aug 2020 - Dec 2022**
- Worked on a large-scale urban redevelopment project in the heart of the Clara Barton, NJ area
- Developed coherent planograms using Google Suite products for professionals to use and work off of
- Facilitated in the hosting of Edison's annual flower walk attracting thousands of people
- Monitored and aided the planting of near 1000 flowers on an annual basis

LEADERSHIP EXPERIENCE

Machine Learning Sector Leader | John P. Stevens High School | Edison, NJ   **Sep 2021 - June 2023**
- Organized and managed machine learning meetings on a bi-weekly basis, catering to 30+ students of all skill-levels
- Taught students ML theory (supervised/unsupervised learning, neural networks, linear regression, etc.) and technologies (PyTorch, Tensorflow, Keras, etc.) in a fundamental manner to enhance AI/ML knowledge

Civil Air Patrol - USAF Auxiliary | Captain "Bud" Jackson Squadron | Edison, NJ   **Oct 2020 - Jan 2023**
- Maintained various leadership roles, enhancing my leadership and teamwork skills by taking charge of groups of varying sizes
- Cadet in Charge of the STEM program, overseeing various classes being taught as part of our AE-STEM class cycle
- Co-Leader of the CyberPatriot All Service Team - Placed in Platinum Division for State in 2022 & 2023
- Led the Web Maintenance team to continually regulate, update, and improve our squadron's website

TECHNICAL SKILLS

Programming Languages: Python, Java, Swift, C#, C, Assembly

Technologies: .NET, Tensorflow, PyTorch, NumPy, Pandas, SQL, GitHub, Google Suite, Microsoft Platforms