

ABHINAV MAMIDIPAKA

abhimamidipaka@gmail.com | [408-745-9592](tel:408-745-9592) | [linkedin.com/in/abhinavm5](https://www.linkedin.com/in/abhinavm5) | github.com/abhi5456 | abhi5456.github.io

Education

The Pennsylvania State University – University Park, PA

Major: Bachelor of Science in Computer Science – Dean's List Scholar

Class of 2022

Minors: Math, Technology Based Entrepreneurship and Innovation

Relevant Coursework: Data Structures and Algorithms, Distributed Systems, Systems Engineering, Databases, Object Oriented Programming

Technical Skills: Python, Java, HTML, C++, Ruby, Artificial Intelligence, Salesforce, Machine Learning, JIRA, Databases

Clubs: Triangle Fraternity (Δ), PyLO, Blockchain, SASA, HackPSU, Sigma Nu Tau (ΣNT)

Work Experience

Arda International Corp. – Full Stack Developer

08/2022 – Present

- Continuous improvement of the product and its framework to ensure the ongoing value of the business's solution proposition
- Working very closely with the directors, founders, and senior management of the company to cultivate and achieve the strategic objectives and ambitions of the business while maintaining a full understanding of the relationship between the business and its customers past, present, and future

Applied Research Lab – R&D Engineer

11/2021 – 05/2022

- Developing and refining a python-based analytic pipeline streamlining the ingestion of semi-structured text datasets through a series of **AI and NLP techniques**
- Refining an interactive browser-based web-application for rapid knowledge discovery and data triage
- Developing, performing automated data processing techniques and statistical analysis

Tesla Motors – Vehicle Software Intern

05/2021 – 08/2021

- Contributing to cross-functional system architecture, software system design, and analytics applications
- Configured the gateway within the Simulator by adding **~100 signals** to ensure success during automation
- Developed automation to improve the efficiency of validating the vehicle and reduce manual testing time by **~3 hours** per vehicle per release

College of IST – Artificial Intelligence Researcher

01/2021 – 05/2021

- Created, Calibrated, Correlated Social Media Signals of Cyberattacks leading to Chronic Traumatic Encephalopathy
- Retrieved relevant tweets from Twitter Premium API, and relevant English-language local, national, and international news articles from the Nexis Uni Database
- Processed datasets containing more than **110,000 tweets** and **20,000 full text articles** to remove all unnecessary terms to calculate sentiment score analyzing CTE (Chronic Traumatic Encephalopathy)

NASA L'SPACE LUCY Mission – Administration Team Lead

08/2020 – 12/2020

- Developed, tested rover mission goals such as navigating through the terrain, capturing objects, utilizing color sensors, and producing audio with astonishing NASA scientists and engineers
- Coordinated with Mechanical and Science team for rover design and development with design engineers making sure, all interfaces were understood completely to develop a perfect plan to go from Earth to Enceladus

Blackberry – Technical Intern

06/2020 – 08/2020

- Enhanced FAQ to provide easy access to information to reduce questions received by **~20%**
- Improved Support Request and Portal Registration experience for all customers by providing an enhanced UI design (ease of use) and leading questions to provide deeper analysis of the problem
- Creating a way to protecting customer data such that the file is only going to be accessible only to employee's that need to access to the customer's data

Leadership Experience

Forum Media LLC – Founder/CEO

Spring 2021 – Ongoing

- A free social media blogging service that allows registered users to freely post and express their opinions on the Forum

Anthos – Founder/President

Summer 2017 - Ongoing

- Anthos, Greek for blossom, is a streetwear brand which strongly expresses the idea of not conforming to society and rising above adversity. Emphasizing the idea of having simple but elegant clothing to represent streetwear enthusiasts, represented by our signature logo the Lotus, showing how a person can blossom, and rises against their problems and keeps going.
- Managed a board consisting of **7 members, 3 investors** and had weekly meetings with at least **10 members** to develop ways to fundraise money to developing the business. Profits of the business go towards NAMI, the National Alliance on Mental Illness.

Projects

Scatter Gather Drive [repo](#)

Fall 2020

- Creation and extension of user-space device driver for new Internet service called the Scatter Gather drive using UNIX and C
- Created a peer-to-peer system able to send a series of messages across a network for communication in the form of blocks

Maze ARAI [repo](#)

Fall 2020

- Mobile application using python, java, machine learning and artificial intelligence the game determines the skill level of the player and learn from their gameplay
- Custom build AR engine that renders the maze among household items, CiscoAPI to speed up rendering and game processing

Insta Care [repo](#)

Spring 2020

- Developed a multi-platform (mobile and web) health care app using Python, React, MongoDB, and HTML
- Artificially intelligent application where a doctor is assigned to a user based on their symptoms, feelings, and location