

# ABHINAV MAMIDIPAKA

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## 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, Data Bases, Object Oriented Programming

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

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

## Work Experience

**Harmony Protocol – Web3 Software Development Engineer II**

**12/2022 – Present**

- Launched/created the world's first revolutionary platform that allows users to connect a Web3 name with a browsable Web2 domain, unifying their digital identity, [1.country](#); [press release](#); [article](#)
- Led a team of 6 engineers to work towards the same goal and launch a product within 3 months
- Implemented a caching mechanism that improved the user experience and page load speed by 34%
- Created the first iteration of browser extensions for 1.country for users to ease user accessibility

**Arda International Corp. – Full Stack Developer**

**08/2022 – 12/2022**

- Continuous improvement of the product and its framework to ensure the ongoing value of the business's solution
- 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)

**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 utilizing ML models and AI to assess the player's skill level and learn from their gameplay
- Custom build AR engine to renders the maze and integrated 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 wis assigned to user based on their symptoms, feelings, and location