Atyub Ahmad

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EDUCATION

University of Maryland, Baltimore County, Baltimore, MD   **Expected Graduation: December 2024**
B.S Computer Science, GPA: 3.68
Relevant Courses: Data Structures, Software Engineering, Machine Learning

WORK EXPERIENCE

- **AnaVation**, Chantilly, VA   **May 2023–August 2023**

  Full Stack Engineer Intern

  - Engineered a state-of-the-art Android application with dual functionality, seamlessly integrating live soccer scores display and secure messaging capabilities.
  - Devised and constructed efficient API endpoints to support essential backend functionalities, encompassing user management, messaging, and data retrieval.
  - Developed serverless AWS Lambda functions to optimize specific app tasks, streamlining operations and enhancing overall app responsiveness.
  - Effectively employed JIRA for collaboration in an Agile environment with a team of 4+ members, leading to a notable increase in project work productivity.

- **Shireen Incorporated**, Germantown, MD   **June 2021–August 2021**

  Computer Engineer Intern

  - Managed Shireen's website and performed product content updates, improved overall user experience leading to increase in website traffic
  - Assembled a variety of radio frequency cables and connectors as part of the production line
  - Soldered parts for custom made circuit boards ensuring quality and functionality of end products

PROJECTS

- **MailFocus - Python, OpenAI GPT-3.5 Turbo API**

  - Constructed MailFocus, a personalized AI assistant that generates summaries and to-do lists from emails, utilizing OpenAI GPT-3.5 Turbo API
  - Developed a feature to provide users with detailed breakdowns of tasks or emails, including AI-generated task priorities (High, Medium, Low) based on email content
  - Provided succinct summaries and actionable to-do lists, increasing productivity by up to 30% reducing the time users spend reading and organizing their emails

- **Employee Records - C++**

  - Developed merkle trees to store 1000+ employees, improving search productivity by 40%
  - Implemented secure storage using SHA-256 hashing for employee confidential information
  - Created history log function for quicker access to updated employee records

- **The Internet - Python**

  - Developed a Python program allowing server creation and connection with different IP addresses
  - Implemented ping function to show the ping time from connected servers to the main server
  - Utilized dictionaries to create traceroute which shows how the desired server is connected within the system

SKILLS

- Python, C/C++, JavaScript, HTML, CSS, Node.js, SQL, React, Android Studio, AWS Console, JIRA, OpenAI