Akib Rahman

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EDUCATION

Old Dominion University　　　　　　　　　　　　　　　　　　　　　　Norfolk, VA
Bachelors in Computer Science　　　　　　　　　　　　　　　　　　*Aug. 2020 – Dec 2021*

Northern Virginia Community College　　　　　　　　　　　　　　Richmond, VA
Associate's in Computer Science　　　　　　　　　　　　　　　　*Aug. 2016 – May 2020*

EXPERIENCE

Software Engineering Intern　　　　　　　　　　　　Jan 2019 – December 2019
Tahzoo　　　　　　　　　　　　　　　　　　　　　　　　　　　*Richmond, VA*
- Built an Azure ECL module for Tridion Sites 9 which allowed clients fine tuned controls of their media data stored in Azure using the Tridion CMS.
- Migrated Tahzoo.com from WordPress to Tridion CMS.
- Developed the DXA application to serve CMS content and implemented elastic search.

Information Technology Support Specialist　　　　Feb. 2018 – December 2018
Virginia Commonwealth University　　　　　　　　　　　　　　　*Richmond, VA*
- Communicate with managers to set up campus computers used on campus.
- Assess and troubleshoot computer problems brought by students, faculty and staff.
- Maintain upkeep of computers, classroom equipment, and 200 printers across campus.

Internet of Things Research Assistant　　　　　　　May 2019 – July 2019
Virginia Commonwealth University　　　　　　　　　　　　　　　*Richmond, VA*
- Explored methods to control and measure individual circuit end points in a house using *esp32's*.
- Developed a central control unit on a raspberry pi to where the esp32 can send data.
- Created a proof of model concept using a giant doll house, esp32s and raspberry-pi and received further funding's.

PROJECTS

Open-Lib | *Python, Flask, PostgreSQL, Docker, Aws*　　　　June 2020 – Present
- Developed a full-stack web application with Flask serving a REST API. With plans to port the Front-End to React
- Implemented Authentication using Flask-Login. Implemented pdf reading capabilities using pdf-js
- Kept track and visualized page numbers and books that are currently being read by a user

Autonomous ARM vehicle | *Arm-Cortex 4 Discovery Board, Assembly, C/C++*　　May 2018 – May 2020
- Built an autonomous vehicle that can avoid obstacles and navigate a maze.
- Received 2nd place certificate in a class of 50 student in navigating the maze and following the lined track in the fastest possible time.

Spyware with OpenCV | *OpenCV, Tkinter, keyboard*　　　　May 2018 – May 2020
- Built a desktop application using Tkinter and OpenCV
- Application start's on boot, logs all keystroke, records audio-video at intervals, and log the data to an email server.

TECHNICAL SKILLS

Languages: Java, Python, C/C++/C-Sharp, SQL (Postgres), JavaScript, HTML/CSS
Frameworks: React, Node.js, Flask, WordPress, Material-UI, FastAPI
Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse
Libraries: pandas, NumPy, Matplotlib, OpenCV