Arjun Bhatia

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# Summary

I have been accepted to Volgenau School of Engineering at George Mason University C’25. (Jan 2021) My intended major is Computer Science.

My passion is to program sensors and triggers on Raspberry pi, integrate with AWS using Python and JAVA, MySQL RDS, s3 buckets, and other related technologies in real time. I made a task manager app in AWS using MySQL Lite database. App code is uploaded to Heroku. The link is https:// arjunflaskcrudapptutorial.herokuapp.com/.

Please visit my website for more details, working example, videos and free code regarding my projects: https:// www.arjun-bhatia.com

# Experience

## Student

Oakton High School

Jun 2018 - Present (2 years 10 months +)

As I was doing my regular course work towards my Advanced High School diploma, I also continued to follow my interests and passion as listed below. The following work is also detailed on my website at https://arjun-bhatia.com/.

-Raspberry Pi built a security system that sends photos and videos via email and s3 bucket in real time using pi camera and motion sensor

-AWS

Some of the more frequently services I use are: RDS, S3 bucket, EC2, SSM, AWS IOT Core/Lambda, DynamoDB, Billing, SNS and Route 53 for my website configuration

-AWS integration with Raspberry Pi sensors in real time

AWS IOT Core, Lambda/Python, RDS, MQTT Client and SSM

-3D modeling and Printing

Autodesk Inventor, Autodesk Fusion, AutoCAD, and Cura

# Education

## Oakton High School

High School Diploma, College/University Preparatory and Advanced High School/

Secondary Diploma Program

2017 - 2021

* Oakton High School, Vienna, Virginia (2017-2021)
* Engineering Drawing (2019-2020)
* Architectural Drawing (2019-2020)
* AP Computer Science AB (2019-2020)
* AP Computer Science A (2018-2019)
* AP Computer Science Principles (2017-2018)
* AP World History (2018-2019)
* Stem Design (2018-2019)

# Licenses & Certifications

 **[PCAP-NP-31-02] PCAP – Certified Associate in Python Programming** - Python

Institute

 **[PCEP-30-01] PCEP – Certified Entry-Level Python Programmer** - Python Institute

# Skills

Raspberry Pi • Python (Programming Language) • Java • AutoCAD • Amazon Web Services (AWS) • Revit • Autodesk Inventor • Autodesk 3ds Max • 3D Modeling • JavaScript

# Honors & Awards

 **Academic Achievement and Excellence** - The National Society of High School Scholars

Jun 2020

I achieved this award for my academic achievement and excellence.