tiwari.aakashm.5496@gmail.com +91 7350942639

An aspiring programmer.

During academics I developed interest in programming. Considering, we are surrounded by various digital products/apps, it's really fascinating to learn/explore how these products have been developed, and ultimately the impacts they are creating on human life by helping them in day-to-day life.

I'm continuously investing in myself to learn different programming concepts & languages. I'm actively looking for opportunities to kickstart my career in the field of programming.
I'm ready to learn new skills or technology required for the job.

Technical Skills:

- Java
- Python3
- SQL (PostgreSQL)
- MS Word
- MS PowerPoint

Academic Detail:

- **B.E Electrical Engineering**
  Cgpa: 6.20/10
  Mumbai University
  May - 2019

Linked Profile:

https://www.linkedin.com/in/aakash-tiwari-903b26165/

GitHub Profile:

https://github.com/aakashmt97/

Post Graduate Diploma in Software Development - Java

August 2020 - May 2021

Currently I'm enrolled in the course named as "Full Stack Software Development". I chose this course to learn the key concepts of Software Development and make career in the same. This is an online course from UpGrad – an online learning education platform. Till now I have learnt the basic concepts of Java Programming Language like – OOP, Data Structure & Algorithm, basic concept of Unit Testing, Spring MVC Architecture. The topics covered in this course are given below:

- OOP and Data Structure & Algorithm
- User Interfaces, User Experience, and Design
- Backend Development
- Software Architecture
- Software Deployment

Python3: High Level and General Purpose Programming Language

Python is the fastest growing and one of the most powerful programming language in the world. It can be used to design Softwares, Website, Games, etc. It is my first language in the world of computer programming. I have realized that Python has the vast opportunity in the digital world and it can give a boost to my career growth.

Udemy Course: The Complete SQL Bootcamp 2020 – PostgreSQL

April 2020

In this course I used PostgreSQL as base Structured Query Language. I understand that the basic SQL knowledge which I have acquired can be applied across major SQL database, such as MySQL, Microsoft SQL Server, Amazon Redshift, Oracle etc.

In this course, I learnt various key concepts. Some of them are below:

- Basics of SQL syntax and statement (SELECT, FROM, WHERE etc.)
- Analysing data using aggregate functions with GROUP BY commands
- Running advanced queries with string operations and comparison operations
- Logical operators to add logic flow into SQL queries
- SQL JOIN commands and create tables and databases with constraints on data entries

Academic Project - Solar Dish Power Generator

March 2019

Objective: To create a renewable source of energy, an alternative to conventional source of energy keeping in mind the deployment in the remote areas where electric grid cannot be installed.

How we did it?

- A Dish with aperture of 1.5M was covered with reflective material of aluminium foil having Focal length of 0.65M.
- At focal length 6 thermo-couples were placed, which were connected in the series. Each thermo-couple had dimension of 40mm x 40mm x 3.5mm.
- On the Hot side of these thermo-couples facing the dish, a copper plate with thickness of 2mm was placed. On cold side, a heat sink and Cooler fan was placed.
- The hot side temperature was 84 – 97 °C, while the temperature on cold side was 21 – 26 °C. The output voltage of each thermo-couple was 2.2 – 2.5 V DC and the overall output voltage was 13.2 – 15 V DC.
- This DC power was converted into AC then stepped-up to 230V, we used a bulb as the load.

tiwari.aakashm.5496@gmail.com +91 7350942639

Post Graduate Diploma in Industrial Automation Sep 2019

A PLC programming based Industrial Automation course. I learnt about,

- Automation General & PLC Basics – how earlier mechanical industrial system moved onto use of hardware relay logic system and then to modern PLC which reduced the size, weight and complexity of a particular system.
- I was introduced to different PLCs like – Allen Bradley, Siemens and Mitsubishi. PLC programming softwares like RSLogix 500(Allen Bradley), SIMATIC Manager (Siemens), GX Developer (Mitsubishi).
- Supervisory Control & Data Acquisition (SCADA) – Wonderware Intouch: It used to design a User Interface which represents the working of different machines, production lines, etc. in the plant. SCADA is situated in a Control Room from where whole process of the Industrial Plant is monitored.
- Human Machine Interface (HMI) – Allen Bradley C600 HMI: It is small device used to control the parameters of single unit of machine, production line, assembly line, etc. It is situated in the field.
- Learnt about basic power circuit and control circuit of Star–Delta, Forward–Reverse, Direct On-Line starters.
- I got exposure to different 2, 3, 4 wire industrial sensors – Thermocouple, Proximity Sensor, Resistance Temperature Detector, Pressure Sensors. These sensors are used to sense different quantities like temperature, pressure, distance of an object, etc. in a plant.

Personal Details:

- Full Name : Aakash Awdheshnath Tiwari
- D. O. B : 04th April, 1997
- Marital Status : Single
- Nationality : Indian
- Languages : Hindi, English
- Hobby : Reading novels, books related to history

Electrical engineering graduate from Mumbai University, May 2019