Yash Maheshwari

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GitHub: - https://github.com/yashmahes
Linkedin: - https://www.linkedin.com/in/yashmahes/

Objective

Seeking a position to utilize my skills and abilities in the Information Technology Industry, a job where growth prospects are unlimited and individuality is recognized by work, and to achieve professional satisfaction by meeting higher responsibilities and involving in competent work areas.

Career Summary

- Experience working directly with large partners on complex backend projects.
- Experience in software development with hands-on experience on Python, Django, Restful APIs, Data Science, Artificial Intelligence, Machine Learning, Visual Studio 2017, C/C++, Java, etc.
- Good knowledge of Data Structures and Algorithms.
- Hands on experience in software development using Python.
- Experience in blogging and writing technical articles.
- Experience in developing web-based applications using Python, Django, Web services, MS-SQL Server.
- Bachelor of Engineering (Computer Science) in 2016 from the Birla Institute of Technology.

Skills

Languages	Python, Java, C++, C#, SQL, MongoDB, etc.
Skills	Excellent coding and logical skills, Python, Java, Restful APIs, C++, Django, Flask, Databases, Javascript, MongoDB, pandas, numpy, data structures & algorithms, Unit test and debugging skills, SQL, Data Science, Artificial Intelligence, Machine Learning, GIT, JSON, problem solving skills, Amazon and Azure web services, Docker, Jira, SQLAlchemy, Jira, Confluence, Agile methodology, etc.
Databases	MSSQL server, Postgres, MySQL, MongoDB, SQLite, etc.
Tools	Visual Studio 2017, SQL server, Anaconda, Jupyter notebook, Spyder, Netbeans, CodeBlocks, Visual studio code, Pycharm, GIT, Microsoft SQL Server Management Studio, etc.

Experience

Pratham Software Pvt. Ltd.

Software Engineer (Feb 2019 – Present)
Responsibilities include direct client communication and software development.

Shakun Pvt. Ltd.

Software Development Engineer (June 2016 – Feb 2019)
Responsibilities include direct client communication and software development.

Projects

Project name: - Vehicle inventory application
Description: - In this project, I implemented a GUI based Vehicle Inventory Application. My program allows the user to save and output all vehicle inventories to a text file.
Tools used: - Python, VS Code, Spyder, Jupyter Notebook, etc.

Project name: - Supermarket Simulation
Description: - In this project, I implemented a Simulation of a Supermarket.
Tools used: - Python, VS Code, Spyder, Jupyter Notebook, etc.

Project name: - Casino Games
Description:- In this project, I implemented console based casino games like Lucky Seven, High Card, etc.
Tools used: - C++, CodeBlocks, etc.

Project name: - Implemented K-Means Clustering Algorithm from the scratch
Description: - K-Means is a popular unsupervised learning classification algorithm typically used to address the clustering problem. The 'K' refers to the user inputted a number of clusters. The algorithm begins with randomly selected points and then optimizes the clusters using a distance formula to find the best grouping of data points. It is ultimately up to the data scientist to select the correct 'K' value.
I have implemented the k-means algorithm using the Mahalanobis distance instead of the standard Euclidean distance. Then, I have defined a synthetic dataset (a 2 or 3-dimensional problem, so we can easily visualize the data, with roughly 500 data points) where k-means operating with Mahalanobis distance works better than k-means equipped with Euclidean distance and standard centroid cluster representatives.
Tools used: - Anaconda, Jupyter notebook, VS Code, Python, etc.

Project name: - Toptal jogging times
Description: - I have written REST APIs that tracks jogging times of users. I have implemented three roles namely "general user", "manager", & "admin" with different permission levels:
A general user would only be able to CRUD on their owned records, a user manager would be able to CRUD only users, and an admin would be able to CRUD all records and users.
In the APIs, I provided filter capabilities for all endpoints that return a list of elements and I was able to support pagination.
All API calls are authenticated except register and login APIs.
You can find the project demonstration video at these links
Tools used: - Anaconda, Jupyter notebook, VS Code, Python, etc.

Project name: - Machine Learning Robot
Description: - I have created this project by using Python and Jupyter Notebook.
In this project, I have used Naive Thomas Bayes machine learning classifier and Vader machine learning classifier for Sentiment analysis. The Robot is able to predict the Sentiment of the Sentence. The robot can also predict if the review is helpful or not after training with the dataset.
Tools used: - Anaconda, Jupyter notebook, VS Code, Python, etc.

Project name: - Nellai Connect
Description:-
I have created restful APIs for the app. This app is for district news. This app covers the news happening in districts like Tirunelveli, Thoothukudi, Nagercoil, etc.
This app display events, news, stories, classifieds, jobs, etc. I have designed database tables for events, news, stories, classifieds, jobs, etc.
Tools used: - Anaconda, Jupyter notebook, VS Code, Python, Django, Swagger, Postman, etc.

Education

- B.E (Computer Science) from “Birla Institute of Technology, Mesra” in 2016.
- HSC from Kendriya Vidyalaya no 1 school, CBSE board with 80% in 2012.
- SSC from Kendriya Vidyalaya no 1 school, CBSE board with 9.2 CGPA in 2010.

Certifications

Microsoft Technologies (C++)

Microsoft Certified Professional
Year: 2016

University of Michigan (Python)

Completed Python tutorial course online
Year: 2017

University of Michigan (Data Science)

Completed Data Science tutorial course online
Year: 2018

Personal Interest

Listening Music | Cricket

Personal details

Date of Birth: 5 Sept 1994.
Address: 143, Shiv colony, Hari marg, Barkat nagar, Tonk road, Jaipur.
Languages: Hindi and English.