KARAN VISHWAKARMA

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SUMMARY

Passionate and self-motivated software developer seeking to leverage software development skills.

EDUCATION

Bachelor of Engineering and Technology from IET, DAVV Indore, India **August 2016 – May 2020**

TECHNICAL SKILL SET

Programming languages	Java, BASIC
Database	MySQL, SQLite, SharedPreferences
Web Development	HTML, PHP, CSS, HTML5, Angular 8
Development Ecosystem	IntelliJ, GitHub, Eclipse, Android Studio, Code Blocks, XAMPP, FileZilla 000webhost, Turbo C++, Android Development Suite, Visual Studio Code
Operating system	Windows
Courses	Data Structures, Algorithms, Operating systems, Object Oriented Programming

ACADEMIC PROJECTS

Stock Market Prediction: Machine Learning **December 2019 – January 2020**

Technologies used: Python, Twitter API, PyCharm IDE, Support Vector Machine
Description: A software developed for predicting stocks of companies based on sentiment analysis of the tweets of users.

- Extracted the user tweets using Tweepy library with OAuth authentication of Twitter tweets.
- Integrated Support Vector Machine with TF-IDF algorithm for efficient classification of the text and datasets.
- Utilized Jupyter Notebook to perform preliminary analysis and better visualization of data using the Matplotlib library.

KeyNote: Android Application **March 2018 - April 2018**

Technologies used: Java, SQLite, Android Studios, XML, SharedPreferences, Google AdMob, Android Volley, MySQL
Description: An Android application (available on Play Store) that allows users to take notes and store data, integrated with speech to text recognition.

- Designed and implemented user interface with speech-to-text functionality enabling users to take notes through voice input.
- Integrated Google AdMob to provide a platform to serve Ads and increase user engagement.
- Persisted user data in SQLite database and leveraged SharedPreferences for faster results & efficient data loading.

Maven: Android Application **January 2017 - March 2017**

Technologies used: Java, SQLite, HTML, CSS3, Android Studios, Google API keys, Jsoup, SpeechRecognizer
Description: A personal assistant based on Artificial Intelligence that performs users' tasks like setting alarms, reminders, stopwatch, calendar and Google/Wikipedia search through text & speech interchange with the user.

- Implemented core functionalities using Google API keys, SpeechRecognizer along with word meaning through Jsoup library
- Integrated calculator and weather forecast functionalities through Java HTML parser Jsoup and AsyncTask.
- Executed complex SQL queries to retrieve application data like reminders and alarms from SQLite database.

Library Management Software **May 2016 - July 2016**

Technologies used: C++, Turbo C++, Files and Streams
Description: A software developed for managing library material and student information using C++ file system components.

- Maintained student record & updated library rental information using C++ file system and object modularity.
- Exemplified usage of Object Orient Programming principles like abstraction, encapsulation to allow code reusability.

CERTIFICATIONS AND AWARDS

- Microsoft Student Partner **January 2020 – Present**
- Angular 8 course from Udemy **May 2019 – July 2019**
- Coursera Certified Algorithms Course **August 2017 - October 2017**
- Coursera Machine Learning Certificate from Stanford University **July 2017 - September 2017**