AVINASH KUMAR

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India

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SKILLS

Programming: Python, Java, C, C++, JSON

Databases: MySQL, PostgreSQL, Mongo

Web: HTML/CSS, JavaScript, Node.js, jQuery

Frameworks: Flask, Django, Bootstrap

Others: GitHub, Machine Learning

Language: English, Hindi

PROJECTS

Item Catalog

- Developed a content management system using the Flask framework in Python.
- Authentication is provided via OAuth and all data is stored within a PostgreSQL database.

Music Genre Classifier

- A Web App developed using Machine Learning technique used to classify Genre of the Music based on the pattern recognition.
- We have tried various machine Learning algorithms for this project. We can get maximum accuracy of 65% by using poly SVM for 10 genre classes. If we choose 6 genre classes, we were able to get an accuracy of 85%.

Non-contact, automated cardiac pulse measurements using video imaging

- It is a browser-based, non-contact heartrate detection application. It can derive a heartrate in thirty seconds or less, requiring only a browser and a webcam.
- Based on recent research in photo plethysmography and signal processing, the heartbeat is derived from minuscule changes in pixels over time.

Log Analysis

- Applied SQL skills to a reporting tool that summarizes data from a large database.

Linux Server Configuration

- Installed and configured all required software to turn a baseline Ubuntu Amazon Web Services server into a fully functional web application server, including Apache Web Server and PostgreSQL database server.

CERTIFICATION

- Full Stack Web Developer Nanodegree
- IBM Data Science Professional Certificate, a 9-course specialization by IBM on Coursera. Specialization Certificate earned on February 10, 2019

EDUCATION

Udacity Nanodegree Program	**India**
Full Stack Development	Class of 2019
Adichunchanagiri Institute of Technology	**Chikmagalur, Karnataka**
B.E, Computer Science	Class of 2011
Delhi Public School	**Jamshedpur, Jharkhand**
High School, Intermediate of Science	Class of 2009