1207-A, Siva,
Near XYZ School,
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Ayush Saxena

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CAREER OBJECTIVE

To be an innovator and make successful contribution in the field of technology by delivering the best in class technical skills and fostering innovation practices.

EDUCATIONAL QUALIFICATION

Degree	Discipline	Institute	Year	CGPA / Percentage
Bachelors of Technology (B.Tech)	Computer Science	Sardar Vallabhbhai Institute of Technology, Vasad	2018	6.9/10
Senior Secondary	CBSE	Childrens Senior Secondary School, Kota.	2014	85.20 %
High School	I.C.S.E	St. Georges College, Agra	2011	91.40 %

INDUSTRIAL EXPERIENCE

Mc Graw Hill Education, Noida, India

As a Beta Tester

In their new e-book of C++ with adaptive reading and student helping programs like quizzes involves with every chapter and main points summarize and revision tests, so that the student could grab the complete aspect of the course.

Received a Letter of Appreciation from Product Development Specialist of Mc Graw Hill Education, after successful completion of the Beta Testing.

TECHNICAL & INDUSTRY SKILLS

System Programming: C/C++, Python, Java, Rust
Areas of Interest: Web development, Data science,
Software Packages: MATLAB, Arduino IDE,.
Web Framework and languages: Python/Django, Bootstrap, HTML5, CSS3 , Javascript
Database: Mysql,MongoDB
Version Control System: Git
Hardware Skills: Arduino Development Board, RF.
Web Development Tools: Phpmyadmin, Wamp/Xampp Servers, SQL Enterprises.
Operating System: Windows , Linux ; **Mobile OS**: Android

ACHIEVEMENTS & HONORS

- Located 5 incompatibility issues overlooked by QA team before products hit the market.
- Increased multiply-accumulate performance on proprietary DSP algorithms by 5% through analysis overhaul.

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KEY PROJECTS UNDERTAKEN

Emotion-based music player

In this proposed system the facial expression extracted will generate a playlist automatically thereby reducing the effort and time involved in rendering the process manually. Testing of the system is done both on user dependent (dynamic) and user independent (static) dataset. An in-built camera captures the facial features. The accuracy of the emotion detection algorithm used in the system for real-time images is around 85-90%, while for static images it is around 98- 100%. The proposed algorithm on an average takes around 0.95-1.05 sec to generate an emotion-based music playlist. Thus, it yields better accuracy in terms of performance and computational time and reduces the designing cost, compared to the algorithms used in the literature survey.

Technologies used- python, NLP, Django web framework, MongoDB, html, css3, jquery, javascript etc

Library management system in C++

Medical information system (MIS) is developed in C programming language which allows users to enter patient information, medical information etc. The system will store this information in .DAT data file. Users can search, update and delete this information. MIS is a desktop application and a GUI and DOS-based menu driven application which can run on any windows operating system and does not require any supporting or licenses software to run. Users can operate all

the menu options using a mouse, despite this being a DOS based system.

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Technologies used- php, mysql, html, css3, javascript,jquery, c++

Distorted fingerprint verification system

Fingerprint matching is affected by non-linear distortion introduced in fingerprint impression during the image acquisition process. The proposed system operates in three stages: alignment-based fingerprint matching, fuzzy clustering, and classifier framework. First, an enhanced input fingerprint image is aligned with the template and match score is computed. To improve the performance of the system, a fuzzy clustering based on distance and density clusters the feature set obtained earlier. Finally, a classifier framework finds the cost-sensitive classifier produces better results.

Technologies used- Android, Facebook, Imdb api's, python/flask, etc