Harsh Modi

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EDUCATION

Bachelor of Engineering, Computer Science and Engineering   **2015 – 2019**
Shri Ramdeobaba College of Engineering and Management, Nagpur, India   *CGPA: 8.78*

Grade 12, C.B.S.E   **2014 – 2015**
Center Point School, Katol Road, Nagpur, India   *Top 5 – 94.2%*

Grade 10, C.B.S.E   **2012 – 2013**
Center Point School, Katol Road, Nagpur, India   *Top 10 – 95.4%*
Excellence in Academics Scholarship for 2013-2015 Winner

TECHNICAL SKILLS

- Programming Languages: C, Java, Python
- Operating Systems: Ubuntu, Windows
- Web: HTML5, CSS3, Bootstrap4, JavaScript, Django, NodeJS
- Database: SQL, PL/SQL, Firebase
- Oracle EBS, Android App Development

RELEVANT WORK EXPERIENCE

Web Development Intern, Sabertooth Technologies   **10/2019 – Present**
Technologies – HTML5, CSS3, BootStrap4, JavaScript, Python, Django
- Building logo and developing frontend for an online student portal
- Integrating the frontend with backend using Django

IT Intern, GE Appliances   **01/2019 – 06/2019**
Technologies - SQL, Oracle APCC, Oracle ASCP, Oracle Demantra, JIRA, Git, Service Now
- Part of the Value Chain Planning (VCP) Team
- Effectively monitored VCP Production Cycle to ensure SLAs are met
- Worked on monitoring enhancements through SQL queries that reduced 14 false alerts per week
- Performed worksheet performance testing and regression testing as a part of VCP Application Platform Upgrade

Android App Development Intern, Innovexito Technologies   **06/2018 – 09/2018**
Technologies – Java, SQL, XML, Android Studio
- Worked on building android application based on client requirements

RESEARCH PUBLICATION

"Classification of Facial Images into Adult or Minor Categories using Facial Features"
- Published findings as 1st Author in IJITEE, ISSN: 2278 – 3075 (Online), Vol-8 Issue-10, August 2019

PROJECTS --

Intelligent Reconnaissance and Identification System (I.R.I.S)
Aim – To tackle the problem of manual monitoring of the surveillance footage
Technologies – Python, OpenCV, Tensor Flow, CUDA
- System automatically detects weapons in live CCTV footage and generates an alert
- Labelled dataset of weapons and non-weapons fed to the neural networks as training data
- First neural network dealt with extracting high level features of frames from live feed
- Final neural network used the collection of frames to generate an inference graph used to detect weapons and generate alert

MedPharm
Aim: To enable users get digital prescriptions, find the nearest pharmacy and get medical information
Technologies – Java, SQL, XML, Google Firebase, Android Studio
- Built an android app to link doctor, patient and pharmacy
- Provided interface to exchange digital prescriptions by incorporating Bluetooth functionality
- Used Google Maps API to help patients find directions to nearest pharmacy
- User provided access to various health related articles and generic drug alternatives for prescribed medicines

Facial Analysis and Classification Expert (F.A.C.E)
Aim – To provide controlled access to content based on age of person for security and surveillance
Technologies – MATLAB, SVM Classifier
- Facial features like distance between eyes, nose and mouth and corresponding age category of various face images used to train SVM classifier
- Image of person taken through camera was processed, features extracted, analyzed and then categorized
- Category Adult – Access Granted, Category Minor – Password Prompt to gain access

TECHNICAL TRAININGS --

- Full Stack Web Development, Udemy
- Programming in C Language, Kanetkar's Institute of Computing and Information Technology, Nagpur
- Cloud Computing, VNIT, Nagpur
- Data Science, IIT, Bombay

EXTRA-CURRICULAR --

- Content Writer for ChocoCraft Creations Pvt. Ltd. (02/2018 – 06/2018)
- Campus Ambassador for Abyeti Technologies (01/2018 – 04/2018)
- Active Member of college Rotaract Club
- Computer Science Branch Photography Head (2018-19)
- Member of 2 time Literary Cup winning branch team
- Represented Maharashtra in cricket at National Level
- Member of branch Table Tennis, Tag Rugby and Athletics teams
- Event Head in CS Branch annual event