

Harshvardhan Singh Chawda

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EDUCATION

THAPAR INSTITUTE OF ENGINEERING AND TECHNOLOGY (TIET)
BACHELOR OF ENGINEERING(B.E.)
IN COMPUTER SCIENCE & ENGINEERING
Expected May 2019 | Patiala, India
CGPA: 8.22/10

HOLY TRINITY SCHOOL

May 2014 | Dewas, India
Higher Secondary(10+2) - 84.2% |
Secondary(10) - CGPA: 9.6/10

SKILLS

PROFICIENT:

C++, Python,
Android App Development

EXPOSURE:

C, Java, R, SQL, Firebase,
OpenCV, Matlab

LINKS

Github:// [harshvardhanpro](#)
LinkedIn:// [harshvardhanpro](#)
Twitter:// [harshvardhanpro](#)
Skype:// [live:harshvardhanpro](#)

EXPERIENCE

KOCHARTECH | SOFTWARE DEVELOPMENT INTERN

June 2018 – August 2018 | Amritsar, Punjab

- Trained a Support Vector Machine to recognize the human face with an accuracy of 85%
- Improved the accuracy of a Deep Neural Network built to troubleshoot the connections of a router

PROJECTS

FACE RECOGNITION | MACHINE LEARNING | 2018

- Trained a SVM model on a pre-trained ResNet model built using dlib library
- Got 85% accuracy when trained on LFW dataset(6000 images) with 1 image for each class

TROUBLESHOOTING CONNECTIONS IN A ROUTER | DEEP LEARNING | 2018

- Improved the accuracy of a MobileNet model from 70% to 90% by preprocessing the images - failed in real life testing
- Trained the model on Keras implementation of RetinaNet to get better accuracy

WATER BED MAPPING | ONGOING CAPSTONE PROJECT | 2018

- Designing and building a Remotely Operated Vehicle (ROV) to map the water bed using LiDAR

SUNSHINE WEATHER APP | ANDROID DEVELOPMENT | 2018

- Designed and developed a basic weather app using Open Weather API during Udacity Google India Scholarship Challenge

LANGUAGE 'N' | C++ PROGRAMMING | 2017

- Developed a language 'N' with C++ in the background and a dual-player Tic-Tac-Toe game in 'N' language during a 24-hour Hackathon

THAPAR FOODIES | ANDROID DEVELOPMENT | 2017

- App with basic functions - SignIn, SignOut, PayU Integration etc. which displayed menu and contact number of restaurants of TIET

ACHIEVEMENTS

2018	Finalist	TechGig Code Gladiators 2018, Mumbai, India
2018	Scholar	Udacity Google India Nanodegree Scholarship (Android)
2018	Scholar	Udacity Google India Challenge Scholarship (Android)
2018	11th	TechThat'18 organised by American Express(4th in college)
2017	1st	24 hour Hackathon sponsored by KocharTech
2017	4th	Coding contest organised by OwaspTU