Rohan Lekhwani

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○ RonLek

EDUCATION

Indian Institute of Information Technology, Pune
Class of 2021
BTech in Computer Science and Engineering.
CGPA - 8.83
Relevant courses and work:
- Python Programming
- Machine Learning
- Game Theory
- Operations Research
- Data Structures and Algorithms

- Machine Learning (Stanford University)
- Convolutional Neural Networks for Visual Recognition (CS231n) (Stanford University)

Army Public School, Class of 2016
Intermediate.
Aggregate - 87.6%

Hutchings High School, Class of 2014
Matriculation
Aggregate - 95.17%

SKILLS

LANGUAGES: Python, Java, C/C++, HTML/CSS, Javascript.

FRAMEWORKS: Tensorflow, Scipy stack OpenCV, ExpressJs.

DATABASE: SQL, MongoDB

SOFTWARE: Google Cloud, Anaconda MATLAB, Android Studio, Git, AutoCAD.

HONOURS

All India Rank 5092 in JEE.
All India Rank 24 and city rank 1 in NEST - 1, 2017.
Finalist, Rural Development Hackathon (HackerEarth)
Topped school in Physics.
Topped school in English.

INTERNSHIPS

Defence Research and Defence Organization(DRDO)   **New Delhi, India**
Research Intern   Dec,18 - Jan, 19
Used QGIS to analyze geospatial satellite data from regions between Rishikesh(India) and Gangotri(India) using gdal. Deep learning to predict landslide susceptible zones from data extracted.

Center for Development of Advanced Computing (C-DAC)   **Pune, India**
Project Intern   Jul,18 - Aug, 18
Worked under the Graphic and Intelligence Script Technology group to build a full-fledged NodeJs application with feedback mechanism to translate website contents from English to regional languages and vice versa. Used MongoDB backend.

PROJECTS

3D Hand Pose Estimation from Depth Images
Model to predict 3D hand joint locations from 2D depth images using 3D CNNs. and Residual blocks, The model uses hand localization and predicts a voxel-to-voxel based heatmap, performs better than state-of-art 2D methods. Trained on NVIDIA P100 GPU.

Twitter Sentiment Analysis
Model to predict subjectivity and polarity rating of Twitter users regarding a topic. Used Twitter API to access tweets directly from the tweet fetching script.

IIIT Pune App
Used Firebase backend to create an Android App for the Institute Includes a novel way to issue books using barcodes using Camera Intents. The App registered more than 100 downloads within a day of its release and made the official College App by the Director. More than 100, 5-star reviews on Play Store. Current rating - 4.9.

Face Detection
Used Eigen face recognition method for real-time face detection along with face feature detection using OpenCV.

Bideo Player
Built an open-sourced video player in JavaFx that provides all features of a commercial video player. Supports MP4 format. Available on GitHub.

ACTIVITIES

Head, Codechef Campus Chapter   **2017 - Present**
Started InfInITy - the first inter-college competitive coding competition of IIIT Pune. The competition is now organized every year and witnesses more than 2000 submissions around the globe.

Founder, Cyber Security Research Club(CSRC)   **2018 - Present**
Organized various seminars, talks and workshops to teach protective measures against cyber attacks.

Teacher, Teach For India   **2019**
Taught Math, English and Computer Science to 10th graders.