Pranay Anand

Machine Learning Engineer

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Experience

Software Development Intern | SEPT 2018 – PRESENT
KarmaCircles, California, US

- Developed brand new product Janta.
- Developed android app from scratch with firebase as backend.
- Wrote algorithms focused on machine learning and computer vision.
- Managed Beta and official launch. Link: Janta app

Machine Learning Intern | JUN 2018 - AUG 2018
Centre Of Digital Excellence, Noida

- Developed AI for humanoid Inaya.
- Developed modules for face recognition and analysis.
- Built voice based system involving task oriented NLP modules.
- Text Classification using RNN-LSTM networks.

Education

B.TECH IN INFORMATION TECHNOLOGY | 2016 - 2020
Northern India Engineering College, Delhi
78%

CLASS XII | 2016 | CBSE
Cambridge School, Srinivaspuri, Delhi
94.2%

Projects

- **Task Oriented Chatbot** - Building Dialog System and conversational platform using word embeddings, RNN, LSTM networks. Link
- **License Plate Recognition for Indian vehicles-** Includes detection, segmentation and recognition implemented using computer vision and machine learning.
- **Instagram Hashtags Predictor –** Predicts relevant hashtags for the given image.
- **Design2Code –** Outputs the android code for the given rough wireframe of product. Link
- **Sentiment Analysis -** Built using n-grams, word embeddings etc. along with classification algorithm Naive Bayes.
- **Sleepy Driver -** Detects and alarms the driver if found drowsy, built using computer vision and facial landmarks. Link
- Object Tracker, Article Summarizer, Text generator, Movie recommender, IOT MQTT, Face recognition etc.
- Chat app, News app, E-Cell NIEC android app.

Skills

Technical: Git, Computer Vision, NLP, Flask, APIs , Android App Development , Firebase.

Machine/ Deep Learning: Building deep learning and machine learning models eg: Linear Regression, Logistic Classifier , SVM , Decision Trees , Random Forest , LSTM and GRU, Convolutional Neural Network, Recurrent Neural Network etc.

Languages & Libraries: Python, Java, Tensorflow, Keras, OpenCV, NLTK, Spacy, Pandas, Numpy, Scikitlearn, Scrapy.

Other: Management, Leadership, Teamwork, Decision Making

Other Achievements

- Volunteer in SikshaVriksh NGO focused on education for children.
- Completed Grade 4 in Instrumental Keyboard from Trinity College of Music, London.
- Successfully organised various events for Entrepreneurship Cell.
- Participated in a number of Hackathons.
- E-Cell NIEC development head involved managing and development of the app.