

Nikhil V Revankar

PES University, Bengaluru

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EDUCATION

PES University

B.Tech in Computer Science : 2016-Present

Bengaluru

GPA - 9.35

Summer School - International Institute of Information Technology

Theoretical Foundation of Computer Science : June, 2018

Bengaluru

Narayana PU College

II PUC : Karnataka State Board : 2014-2016

Hebbal, Bengaluru

Agg - 96.1%

Air Force School

Class 10 : Central Board of Secondary Education : 2004-2014

Hebbal, Bengaluru

GPA - 9.80

EXPERIENCE

Walmart Labs

Intern - Software Development Engineer

Bengaluru, India

January 2020 - present

- There are various pipelines which are handled by Display and Paid Social team and execute on a regular basis. The Weekly Stability Metrics give us an idea of any misses in the pipeline goals. Currently these reports are generated manually.
- Currently developing an automated tool using Python to generate these metrics. Metrics are being queried from Hive database and HDFS. Airflow is being adopted as workflow management system.

Stylumia Intelligence Technology Pvt Ltd.

Intern - Data Scientist

Bengaluru, India

May 2019 - July 2019

- Worked on Deep Learning model for Fashion Apparel Classification for the development of Fashion Industry Technology product.
- A combined model called MaskRCNN was applied using Transfer Learning approach on iMaterialist Fashion and Paperdoll Dataset.
- The model generates bounding boxes and segmentation masks for each instance of an object in the image and also classifies various classes associated with the object.

CodeOps Technologies

Intern - ChatBot Developer

Bengaluru, India

June 2018 - July 2018

- An interactive Chatbot (KonfBot) which shows various tech conferences happening across the world. It's built using Azure Bot Service with NodeJS and LUIS.ai framework to understand the intents and entities.
- Scrapped the tech-conference details from the hosted websites and serialized the relevant fields in json format automatically to www.konfhub.com being developed by CodeOps.

TECHNICAL SKILLS

Languages

- C, Python, R, C++, JavaScript

Tools / Frameworks

- Keras, NLTK, Tensorflow, Selenium, LaTeX, Git, MySQL, Docker-Containers, Azure Bot Service, LUIS.ai

PROJECTS

Stock Market Analysis (*Data Mining, Visualization, Pattern Recognition, Time Series Analysis*)

- Analytics on US Stock Market Fluctuations incidental to Internet Trends for the year 2016.
- The custom designed graphical interface helps in delivering effective visualizations and various insights were drawn on the growth/decline of company stock value with reference to keywords over the internet traffic. Various models are also applied to forecast the stock market prices.
- Video link: <https://youtu.be/OMjrD539SFk>

Word-Phonetic Transcription (*Natural Language Processing, Seq-Seq Models*)

- Translation of words into corresponding phonetics using Seq-Seq LSTM RNN model, Embedding model and Attention model and comparison of the generation of phonetic sequence by the appropriate models is being achieved.

Image-Image Translation (*Image Processing, Generative Adversarial Network*)

- Comparative study towards general approach of image-image translation using Vanilla GAN and Conditional GAN is implemented.
- CGAN comes out to be the promising approach for various image-image translation tasks which includes sketch-image translation, image inpainting, etc.

SelfLessActs (*Docker-Containers, Django, REST API, AWS Cloud*)

- A micro-service model of photo sharing web app hosted on AWS cloud platform is developed using Django framework, SQLite3 Database system and Linux Docker-Container.
- REST API is implemented on Back-End along with Load Balancing, Auto Scaling and Fault Tolerance features to make the application more flexible.

Handwritten Kannada Character Recognition (*Image Processing, Recurrent Neural Networks*)

- A simple Kannada Character Recognition system is built using Bi-directional LSTM model which is purely based on tensorflow.

Intal C-Library (*Data structures, Algorithm*)

- Developed a C-library of an integer of arbitrary length named Intal. Various functionalities such as addition, multiplication, division, etc.. between two large integers has been implemented.

ACHIEVEMENTS / CO-CURRICULAR ACTIVITIES

- Recipient of Prof. C.N.R Rao merit scholarship for being among the top 20% performers in all 4 Semester's of B.Tech-CSE with a GPA of 9.43
- Awarded as a Best Outgoing Student of batch 2014-2016 in II PUC.
- Active member of tech meetups organized by the community.
- Attended "Center For Innovation and Entrepreneurship Basecamp" organized by PES University.
- Attended Google Devfest 2018 organized by Google Developers Group community held in Bangalore.
- Attended UiPath Developer Conference 2019 held in Bangalore, where I got an opportunity to learn more about Robotic Process automation.

VOLUNTEER EXPERIENCE

Volunteer, Container Conference 2018 Bangalore

- ContainerConf is developer focused conference organized by Codeops Technologies. It covers container related technologies and its applications. Was an active member and helped in organizing the conference successfully.

Volunteer, Google ML Study Jam

- Helped in organizing 3 days hands-on session workshop on Machine Learning study jam conducted by Google Developer Groups, Bangalore.

Organizer, Mozilla WebVR

- Helped in organizing 1 day hands-on session workshop on WebVR conducted by Mozilla community at PES University.

MORE ABOUT MYSELF

Hobbies

- Playing Chess, Cricket, Table Tennis.

LinkedIn Profile

- <https://www.linkedin.com/in/nikhil-v-revankar>

GitHub Profile

- <https://github.com/nikhil3198>