Shriganesh Shirodkar

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WORK EXPERIENCE

TechMahindra
Apr 2018 – Oct 2018

- Role: Associate Software Engineer.
- Client: Vodafone Australia
- Technology: Splunk, SQL, OSB, OEM, Jenkins.
- Work history: Interpreted and analysed the customer data and activity using splunk to get insights and identify issues.
  Utilized sql for analysis, prepared dashboards and reports related to customer activity.
  Resolving issues, providing RCA related to Problem Management and deployment of releases through Jenkins.

Smerkato
Feb 2018 – Apr -2018

- Role: AI Developer Intern.
- Technology: Java, SQL, Python, Machine Learning
- Description: Worked with the team to build a POS application. Built an api using Django and worked on extracting text from invoices using machine learning.

AAIC Technologies Private Limited
Apr 2019 – Present

- Role: Deep Learning Intern.
- **Project Title: Personalized Pneumonia diagnosis through X-Ray Images.**
  Description: The data consists of X-ray images of both Pneumonia effected and Normal patients. Given an X-ray image it must be classified whether the patient has Pneumonia or not. I've applied Convolutional Neural Networks Transfer Learning from VGG16.
  Implementation: Mobile Application, Plugin in Medical software
  Skills: Deep Learning, keras, python

BLOGS

LANL Earthquake Prediction.

Protein Family Classification.

CERTIFICATIONS

Machine Learning
appliedaicourse.com

Deep Learning Specialization
Deeplearning.ai

EDUCATION

B.E, Electronics and Communication (70%)

Jain College of Engineering, Belgaum
2013 - 2017 | Karnataka, India

SSE: X, XII (%: 90, 79)

State Board
2010 - 2013 | Karnataka, India

TECHNICAL SKILLS

Python | Machine Learning | SQL | Natural Language Processing | Java | Computer Vision | Matlab | Deep Learning | C/C++

PERSONAL PROJECTS

LANL Earthquake Prediction

- It is a Regression Problem given a chunk of seismic data we have to predict the time remaining before a laboratory earthquake occurs.
- This could improve earthquake hazard assessments that could save lives and infrastructure.
- Performed Exploratory Data analysis, Signal processing and applied Machine Learning Models. At the time of submission, the score was at top 1% of kaggle public leader board.

Protein Family Classification

- It is a multiclass classification problem; given the amino acid sequence we have to predict which class it belongs to.
- Implemented a ProtCNN and LSTM model to predict the classes correctly with F1 score of 0.987 and accuracy of 98.8 percent.

Human Activity Recognition

- Human Activity Recognition is a Time Series problem given the time series data of different activities of users, I designed and analysed various techniques including LSTMs to detect what activity a user is doing.
- This can be implemented in fitness bands, smart watches and mobile application which can help address many health concerns that arise due to inactivity.

Microsoft Malware Detection

- It is a multiclass classification problem. We have to identify whether a given piece of file/software is a malware.
- Performed exploratory data analysis, feature extraction from files and applied machine learning models and tuned them to reduce the log loss to 0.01 and reduce the misclassified files to 0.18 percent.
- This can be implemented in software's to prevent malware attacks on a system.