Prakhar Dixit

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WORK EXPERIENCE

TITAN COMPANY LIMITED | Software Engineer — Bangalore , India | July 2019 – April 2021

- Built a module for a Web Application using **Spring Boot** and **Rest APIs** which helped more than 8000 employees to visualize their Assets data stored in **Oracle DB**.
- Optimized the Access Control System of the company by Automating various processes using **Batch Scripting** .
- Automated the Payroll Health Check up System with the help of **Batch Scripting** .
- Built a dashboard using **Python** and its framework **Plotly** which was used to derive insights and analyse the daily Logins happening on the Web Application.

TITAN COMPANY LIMITED | Software Engineer Intern — Bangalore , India | March 2019 - June 2019

- Introduced to the Various applications and the Software Development Cycle of the Company.
- Tested and Handled the applications related to BPM (Business Process Management).

NATIONAL UNIVERSITY OF SINGAPORE | Research Intern — Singapore, Singapore | Jun 2018 – Jul 2018

- Researched in the field of **big data and deep learning**.
- Worked on Credit card fraud detection dataset and achieved an accuracy score of **0.985** using **logistic regression which outperformed ANN, random forest, decision tree, Support vector machines (SVM)**.

DELHI TECHNICAL UNIVERSITY | Summer Intern — New Delhi, India | Jun 2017 – Jul 2017

- Built an Android app development on Student Database Management System using **Android Studio and Gradle at Delhi Technical University**

EDUCATION

MS in Computer Science — Baltimore , Maryland | May 2023
University Of Maryland Baltimore County

B.Tech in Computer Science Engineering — Chennai, India | May 2019
SRM Institute of Science and Technology

PROJECTS

EXPLORER — Python, Android Dev, Tensorflow Lite, Tensorflow API, Machine Learning

- An Android Application which will let visually impaired users know the place of a given object selected via app itself and localize it within the given frame of the picture.

DEEP LEARNING STEERING MODEL — Python, Deep Learning, Opencv, Image Recognition

- Built a Self Driving Prototype which Uses Convolutional Neural Networks and OpenCv for the steering system of the vehicle which took images with steering angle as label and returned correct steering angle as label.

INTERNATIONAL SPACE STATION - INFO — Python,Pip,NASA,ISS,Pypi

- Built a Python wrapper and Library for tracking information about the International Space Station using **open-notify.org API**. Published and Registered the Package under Official The Python Package Index (PyPI), it is a repository of software for the Python programming language.Completed more than **14000+ downloads of the Package till current Date**.

LANE DETECTION USING COMPUTER VISION — Python, Computer Vision, Opencv

- Built an Algorithm via hand Engineering to identify Lanes Using Computer Vision.This was the Project 1 of the 3 part project we did to understand how The Self Driving Cars Work.

SKILLS

- **Languages:** C++, Python, Java, Spring Boot, PHP, Bash, C, SQL
- **Web Langauges:** React, JavaScript, TypeScript, HTML/CSS
- **Libraries:** Tensorflow,Keras,Pandas,Plotly
- **Technology:** Git,OpenCv,Tensorflow,Batch Scripting, Unity, Apache, MongoDB,Rest APIs

ADDITIONAL CONTRIBUTIONS AND ACHIEVMENTS

- Recived Best Paper Award for my Research Paper **NEURAL SKETCHING**
- Participated and Finished in top 20 teams which qualified the online idea round and built a prototype of the idea .Hackathon Organised By **Random Hacks of Kindness (RHoK) held at Nvidia Bengaluru, India**
- Attended the Google I/O India held at Chennai in 2018.
- Presented a 10 minutes Talk on Future Of Self Driving Cars and its Implications on the Society in the event organised by **Institute of Engineering and Technology(IET) Present Around The World**