

Rishabh Thukral

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EXPERIENCE

- **Glassdollar UG** Berlin, Berlin, Germany
Data Engineer April 2020 - Present
 - **Responsibility:** Built various ETL pipelines for expansion of the proprietary data engine, which collects start-ups and use case data, deployed on Airflow cluster. Solved the problem of tracking the company features overtime.
- **Redstone Digital GmbH** Berlin, Berlin, Germany
Data Engineer October 2018 - March 2020
 - **Responsibility:** Built a scalable and robust multi-tier proprietary data engine responsible for identification and collection of data on Early-Stage startups with various 3rd party API integrations. Lead the development and deployment of internal APIs and other web hook integrations. Contributed to ML research implementation and deployment. Also providing support during investment analysis & due diligence.
- **Udacity** Remote
Reviewer and Mentor Dec 2017 - September 2018
 - **Student Mentor:** Mentored and reviewed projects of hundreds of students enrolled in Udacity's Intro to Self Driving Car ND, MLND & AI programming with python ND.
- **Karlsruhe Institute of Technology** Karlsruhe, Germany
Student Research Assistant Feb 2018 - July 2018
 - **Detecting lightning strikes in high speed videos:** Built an end to end classifier using Deep CNN Architectures to identify given any image is a lightning image or not.
- **Ketchupp, D I Info solutions** Delhi, India
Backend - Systems Engineer Summer 2016
 - **Feature Extraction and Detection:** from the text in the context of recorded food deals from various websites for the purpose of analyzing the nature and information about it from the data.
 - **Ketchupp Food Bot:** Developed a Facebook Messenger bot using basic NLP and Decision Flow implementation. The bot allowed any Facebook user to get food media updates from the Ketchupp Blog and access many other exciting features.

PROJECTS

- **Deep-Q Network on flappy bird:** The project shows that the Deep-QN learning algorithm from Deepmind's pioneering paper can further generalized to the notorious Flappy Bird.
- **Lane Detection for self-driving car using semantic segmentation:** Developed a Fully Convolution Network on top of VGGNet using skip layer architecture to label the pixels of a road in a image.
- **Travlrr Inc.:** Worked as a Co-Founder. Built a tool for travellers which allows them to share their experience with the world by way of Travlrr Stories at a global platform.
- **Image classification on 102 category flower data set:** Developed and trained a Feed Forward Classifier Network on top of VGGNet to label the given image of a flower as one of the categories available in the 102 Category Flower Dataset.

EDUCATION

- **CGC College of Engineering** Landran, Punjab, India
Bachelor of Technology in Computer Science; Percentage: 78.2% Aug. 2014 - May 2018

LANGUAGES AND FRAMEWORKS

Python, C++, C, Scala, Javascript, PySpark, SQL, NoSql, GraphQL, PyTorch, TensorFlow, Django, Flask, Airflow, Spark

SELECTED COURSEWORK

Machine Learning, Deep Learning, Computer Vision, Reinforcement Learning, NLP, DBMS, Design and Analysis of Algorithms, Application Level Programming (Web & Mobile), Big Data Analytics with Spark.