Kaustubh Sable

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PROFESSIONAL EXPERIENCE

Nutanix, Inc. *Member of Technical Staff Intern* **San Jose, CA**
Team: Files *June 2020-Aug 2020*
- Designed and implemented a REST API based infrastructure to improve scalability using C++ and Python.
- Pull-based approach to query persistent events from underlying RocksDB storage which saved writing hooks for each new client.
- Technologies used: ProtoBuf for internal communication and YAML to define REST schema for Flask APIs.

eQ Technologic, Inc. *Data Engineer* **Pune, India**
Team: Platform – Plugins and Adapters *July 2017-July 2019*
- Worked on TCRA4S and SAP connector that interact with systems to insert, update and read data efficiently.
- Designed the read table functionality which increased the data retrieval performance of the object-oriented model of SAP connector by multiple folds (about 30x).
- Achieved multithreading in SAP connector to handle transaction boundary.
- Researched pivotal topics of SAP ERP like Business workflows and Open Data protocol.

NVIDIA Graphics Pvt Ltd *System Software Intern - Deep Learning* **Pune, India**
Team: GPU Video-Windows *Aug 2016-April 2017*
Project: **Deep Learning based Error Concealment**
- Researched, designed and implemented deep learning application for image inpainting (aka image completion).
- Implemented three different machine learning models, including experimentation and their multiple iterations.
- Analyzed the model performance against varied image data for close analysis of architecture capabilities.

EDUCATION

Stony Brook University, SUNY, Department of Computer Science

Master's in Computer Science *Aug 2019 – Current*
Coursework: Analysis of Algorithms, Data Science Fundamentals, Natural Language Processing (NLP), Artificial Intelligence (AI), Probability and Statistics for Data Science, Theory of Databases | Current GPA: **3.7/4.0**

Savitribai Phule Pune University, Pune, India

Bachelor of Engineering, Computer Science *July 2013 - June 2017*
Coursework: Algorithms & Data Structures, Operating Systems, Distributed Systems, Networks, Cloud Computing
Graduated first class with distinction | GPA: **3.75/4.0**

TECHNICAL SKILLS

Languages and Software Tools: C++, Python, Java, MySQL, TensorFlow, RocksDB, ABAP, Git, Gerrit, Svn, Eclipse, Anaconda, Jenkins.
OS: Windows, Linux (Ubuntu, Fedora, CentOS)
Additional Technologies: Deep learning, Design Patterns, Agile Development, Keras, Pandas, Numpy, Scikit-Learn, OData, gRPC, Apache Tomcat, Spring MVC, Maven, ProtoBuf, YAML, XML and JSON parsing.

PROJECTS

- Studied and implemented Recommender Systems as a part of Independent Research Study.
- Performed information extraction based on multiple datapoints from html and PDF documents for Broadridge Financial Solutions as part of advance project.
- Optimized and space efficient N-gram prediction for smaller computing devices using NLP techniques.
- Retail Data Analysis: Demand prediction of products and Market-Basket Analysis on a real dataset.
- Participated in Kaggle Competitions: IEEE-CIS Fraud Detection and House Price Prediction (Ames Housing Dataset).
- Pac Man Searching: Implemented DFS, BFS, Uniform Cost Search and A* search algorithm with heuristics to reach a certain position and to collect food in the maze. It was implemented in Python under course Artificial Intelligence.
- Developed a Spring MVC Restful application for Pizza Delivery System: This group project was continuously reviewed with respect to Database Design, OOP, UML Design, Flexibility and Extensibility.