Sukrit Kumar

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Education

Birla Institute of Technology and Science, Pilani — Hyderabad,India
B.E in Electronics & Communications, ***9.56 CGPA*** — *Aug. 2019 – June 2023*

R.N Podar School — Mumbai,India
10th : 10 CGPA, 12th: 96.4% — *April. 2015 – April 2019*

Experience

Data Science Intern — Jan 2023 – June 2023
ShareChat, AI — *Bangalore, India*

- Deployed models leveraging historical user data
- Implemented user history logging to enhance future model training and monitoring
- Achieved a significant reduction of over 70% in the loss of historical user events.
- Helped create model monitoring setup to monitor offline-online gap
- Contributed to the support,maintainence and development of multiple ML systems

SWE Intern — May 2022 – July 2022
Arista Networks — *Pune, India*

- Designed and implemented Access Point (AP) Health Dashboard from scratch
- First ever intern in India to be awarded the Peer Bonus
- Optimized SQL queries and reduced runtime by over 100%
- Technologies used: Java, PostgreSQL, Go

Summer Intern, Deep Learning — May 2021 – July 2021
CSIR-CEERI — *Pilani, Rajasthan*

- Developed and worked on two different implementations of CapsuleNets using Tensorflow
- Trained and tested models on MNIST,FashionMNIST,CIFAR-10
- Achieved 99.47% validation accuracy on MNIST and 92.94% accuracy on FashionMNIST dataset
- Dual attention based Capsule Network with 1-2% accuracy improvements across different datasets

Projects

Information Retrieval System | *Python* — March 2022

- Inverted index based Boolean information retrieval system for large corpus of text
- Efficiently indexed large corpus of text across various documents and performed various preprocessing steps
- Support for wildcard queries and spelling correction
- Web graphs could also be queried using PageRank and HITS algorithms

Toxic Comment Classifier | *Python, Keras, Tensorflow* — March 2021

- Working on a LSTM/GRU based RNN to classify comments on 6 different classes
- Trained using an approximately ∼180k entity size dataset
- Deployed the model on the web using tf.js and Flask

MathsFormulaBook | *Java, Android, LaTeX* — June 2019

- Developed an Android app that allows users to view math formulas
- Easily extensible: Uses LaTeX and JSON to add new topics and formulas
- Created a library to serve as a translator layer between Katex and Android and display math formulas on Android

Achievements

Merit Scholarship: Awarded institute merit scholarship for **6** consecutive semesters (**top 2%** students out of **1100**)

Technical Skills and Interests

Programming Languages: C/C++, Python, Java, Go Lang
Tools: Git, Postgres, Postman, Android Studio, MATLAB, Jupyter Notebook,Docker, Grafana
Libraries: Spring, pandas, NumPy, Matplotlib, Keras, Tensorflow, PyTorch,PostgreSQL, Prometheus
Interests: Software development, Machine Learning

Relevant Courses

Completed: Operating Systems, Object Oriented Programming, Deep Learning, Machine Learning, Information Retrieval, Fundamentals of Data Science, Communication Networks, Info Theory & Coding, Computer Programming, Digital Signal Processing
MOOCs Completed(Coursera): Deep Learning Specialization, Generative Adversarial Networks (GANs) Specialization