Sanskar Gupta

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EDUCATION

Technical University of Munich   Munich, Germany
Erasmus Exchange Student at TUM Informatics   *October. 2021 – December 2022*

KTH Royal Institute of Technology   Stockholm, Sweden
Masters, Software Engineering of Distributed Systems, CGPA: 4,85/5,00   *Aug. 2020 – December 2022*

National Institute of Technology Warangal   Warangal, India
Bachelors of Technology, Electrical and Electronics Engineering, CGPA: 7.55/10   *Aug. 2013 – April 2017*

EXPERIENCE

Master Thesis Student   March 2022 – December 2022
Siemens Healthineers   *Munich, Germany*
- Explanation methods for a medical image classifier by analysis of its uncertainty: Involves implementation of density clustering on output discrete probability vector.

Working Student   January 2022 – March 2022
Siemens Healthineers   *Munich, Germany*
- Improved calibration of a classifier responsible to solve multi class white blood cell image classification.

Research Intern   July 2021 – September 2021
Research Institutes of Sweden   *Stockholm, Sweden*
- Metrics library integration for ARCON which is a real time data processing engine written in Rust.
- Metrics Dashboard UI for ARCON metrics, operators and node monitoring

Full Stack Developer   January 2021 – May 2021
Cribly AB   *Stockholm, Sweden*
- Worked on the core Cribly platform that facilitates an user to swap rental leases without hassle.
- Set up the CI/CD pipeline for the Express and Vue app using github actions.

Web Developer   January 2021 – June 2021
KTH FoodTech   *Stockholm, Sweden*
- Worked on the main website showcasing the organisation.
- Creator of KTH FoodTech digital fair platform 2021.

Engineer   July 2017 – August 2020
Target Corporation   *Bangalore, India*
- Did data migration from db2 to postgres, developed a bunch of API's to house merchandising related attributes
- Contributed towards the forecasting component of assortment planning both in UI and backend
- Worked on the preseason planning of items component of Unit Financial Planning which involved building of middleware systems through message queues and some frontend work
- Worked on project(Assortment planning dashboard) to give last year items insights in comparison to current year items. Worked on react migration from angular, maintaining of elastic search clusters, backend enhancements
- Worked on a one stop enterprise wide data source of truth for multiple teams. Worked on react app, some backend enhancements on onboarding of new data sources to elastic clusters

Intern   August 2017 – September 2017
Indian Institute of Management Lucknow, India
- Learnt the concepts of data analytics,statistics and econometrics Successfully solved Harvard business school cases and developed a capstone project in R

Projects

Distributed Key Value Store with Topic based Subscriptions | *Java*   github.com/Sanskar95/CloudDB

* ∗ A horizontally scalable distributed key value store which provides replication and eventual consistency.This database also has key and topic based subscription feature which generates notification to subscribers in case the subscribed key or a key in a subscribed topic is updated

KTH FoodTech Digital Fair 2021 | *SpringBoot, React*   github.com/Sanskar95/kthFoodTech-digitaFair

* ∗ A Gamified Platform concerning the issues within the foodtech industry. It involves online workshop, panel discussions, and team competitions for problem solving in the fair.

Collabere | *Django, React, Postgres*   github.com/collabere/collabere

* ∗ A platform which puts together Instagram influencers and clients which are seeking to promote their brands.This shows client metrics generated from email conversations

Data Driven Football Agent | *React,Springboot, mongoDB, reddis*   https://github.com/football-agent

* ∗ Provide accurate contract value projections based on publicly available data and visualise the findings using a web-based platform. Compare current performance to that of the best players
* ∗ Investigate performance growth, identify players with high potential, see the influence of win- ning/losing on the team, history transfer value, and future development.

Certifications

BIG DATA FOUNDATIONS NANODEGREE | *Udacity*   Certificate Link

* · Nanodegree course by Cloudera guys in association with Udacity. Course did not mandate any programming language for writing Hadoop MapReduce jobs, but mainly used / taught Hadoop MapReduce jobs using Python (with Hadoop Streaming approach for running jobs) during the course.

DEEP LEARNING SPECIALIZATION | *Coursera*   Certificate Link

* · Successfully completed the bunch of 5 courses under this specialization which included Convolutional networks, RNNs, LSTM, Adam, Dropout, BatchNorm, Xavier/He initialization, and more.

Scholarships and Achievements

KTH ONE YEAR SCHOLARSHIP

* · Awarded to current KTH master's programme students who have achieved outstanding results in their first year of studies

ERASMUS SCHOLARSHIP

* · Awarded as part of exchange studies at TU Munchen

Technical Skills

Languages: Java, Python, Rust, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R, Camel, Scala
Backend Frameworks: SpringBoot, Quarkus, Django, Flask, ExpressJs, Tensorflow
Frontend Frameworks: ReactJs, React-Native, VueJs
Developer Tools: Git, CircleCI
Infra: Kubernetes, MongoDB,ELK Stack, Kafka, Docker

Open Source Contributions

https://github.com/mui-org/material-ui/pull/22021
https://github.com/covid19india/covid19india-react/pull/891
https://github.com/sastix/cms/pull/10

npmjs/react-site-announcement
npmjs/simple-toast-notification