VARUN CHAUDHARY

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CAREER OBJECTIVE

I identify as a persistent learner with an year of industry experience, looking for summer 2020 internship opportunities in domains of software development, intelligent and distributed systems.

EDUCATION

Master of Science in Computer Science **May 2021**
Arizona State University GPA: 3.89

Bachelor of Technology in Computer Science & Engineering **July 2018**
Manipal University Jaipur GPA: 8.79 (out of 10)

SKILLS

Languages	Java, Python, Scala, MySQL, Impala, LaTeX, *nix shell scripting
Technologies	Spark, Kafka, Kudu, Hadoop, HDFS, YARN, MS SQL Server, Git, DialogFlow
Libraries	pandas, numpy, scikit-learn, opencv, tensorflow, spark-streaming, spark-sql
Tools	IntelliJ, Pycharm, Jupyter-notebook, GitKraken

WORK EXPERIENCE

Software Engineer(Big Data) Jan '18 - Apr '19
Infoobjects Inc. *[STATUS: In Production]*

- Designed and developed a real-time framework in Scala to support ETL work-flow from database designing to external deliverable - Monthly data-driven reports and generating customer emails.
- Developed real-time APIs in Java for formulating and delivering promotional emails using dropwizard.
- Successfully increased pipeline robustness, by handling point of failures and deploying an alarm system, and efficiency using Spark-streaming and bit manipulation to reduce execution times.

Software Engineering Intern Jun - Aug '17
Tata Consultancy Services

- Created a sentiment analysis model using live twitter data on demonetization in India(recent event in time) that successfully derived sentiment scoring and phrase popularity on tweets stored in Hive.

SELECTED PROJECTS & CERTIFICATION

Bio-metric identification on 11K hands data set Sep '19

- Implemented feature extraction models and dimension reduction techniques for hand images. Executed image labelling, similarity search, clustering and classification for various image processing tasks.

Meal classification on CGM-diabetes data set Sep '19

- Developed a model to predict labels for a diabetic patient's glucose-level time-series data('meal' vs 'no meal') through classification and clustering based on extracted features in reduced dimension space.

Pacman Project- UC Berkeley Sep '19

Event sequence prediction of medical events Nov '17

- Successfully mapped each diagnosis-id of 1500 patients' medical record history over 2 years into a unique integer sequence and trained on a LSTM network in python to predict next possible medical conditions.

Codechef certification for proficiency in data structures and algorithms Mar '18