ARMAN SINGHAL

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**EDUCATION**

# Master’s of Computer Science (GPA: 3.7/4.0) Jan 2021 - Dec 2022 University of Florida, USA

**Coursework:** Data Science, Neural Networks, Mathematics for Intelligent Systems, HCI, Computer Architecture, Analysis of Algorithms, Software Engineering, Database Systems, Laser Design & Theory

# Bachelor’s in Computer Science & Engineering July 2017 - July 2021 JK Lakshmipat University, India

**Specialization:** Big-Data Analytics with IBM

**Coursework:** Data Structures, Algorithms, Database Management Systems, Big Data Analytics, Operating Systems, Discrete Structures, Object-Oriented Programming, Data Mining, Data Science

## EXPERIENCE

**Infor** May 2022 - Aug 2022

Software Development Intern *Remote*

* Developed data science models for the ION API Gateway system to improve security and analytics, improving the overall prediction rate by 10%.
* Modeled a clustering model for response status codes to identify 5 subtypes of errors.

**SharkSquad Inc.** May 2021 - Aug 2021

Software Development Intern *Remote*

* Created a vaccine distribution portal for over 30 locations across Toronto with data and resources provided by 15 non-profit organizations using ReactJS and NodeJS.

**CDAC ATC Netcom** May 2019 - Jul 2019

Machine Learning Research Intern *Jaipur, IN*

* Introduced a predictive model for industrial wastewater quality prediction using data from 150 industries over a span of 1 year with a total dataset of more than 2.6 million data points.
* Achieved an accuracy score of 94%, which helped in decreasing the action time by 37 hours.

## PROJECTS

**Perception Quotient for Second Hand Apparels:** Analyzed consumer behavior and sentiments using NLP for second-hand fashion accessories and witnessed 68% positive sentiments with 23% neutral sentiments and 9% negative sentiments.

**Cricket Data Analysis:** Analyzed data for more than 8000 cricket matches (globally) and predicted team perfor- mance using Statistical analysis and Hypothesis testing. Achieved a performance increase of 27% for 4 international teams in a simulation.

**Crime Analytics Dashboard:** Developed a crime analytics dashboard using Django, ReactJS, and Oracle SQL, with more than 20 filters and data visualization options, having approximately 250 million data rows.

## LEADERSHIP

**Stepper Learning** May 2018 - Aug 2020

Co-Founder

* An ed-tech platform to bridge the gap between industry and academia in the higher education segment using the ”School in the Clouds” model.
* Trained over 200 students in over 10 technologies with a partnership with 2 companies and 3 non-profit organi- zations.

## SKILLS CERTIFICATIONS

**Technical Skills** Python, JavaScript, Java, C++, Django, Flask, MongoDB, SQL, Node.JS, ExpressJS, Agile

**Tools** Cognos, Tableau, Alteryx, Hadoop, MapReduce, PyTorch, Azure, Git, FastAPI, SPSS