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 performance 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 organizations.

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