Chhavi Garg

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EDUCATION

Santa Clara University, Leavey School of Business   Santa Clara, CA
Master of Science, Information Systems GPA 3.85   December 2022
- Relevant Coursework: Object Oriented Analysis & Programming, Data Analytics with Python, Dashboards, Software Project Management, Database Management, Information Systems Analysis and Design, Artificial Intelligence

Shiv Nadar University   Noida, India
Bachelor of Technology, Electronics and Communication Engineering   May 2018

TECHNICAL SKILLS

Programming Languages: Python (Pandas, NumPy, Matplotlib, Seaborn), C/C++, Java, Scala, R
Analytics: Hadoop, SQL, Hive, Spark, Power BI, Tableau
Tools: Microsoft Office, MATLAB, MS Project, JIRA

EXPERIENCE

Santa Clara University, School of Law   Santa Clara, CA
Research Assistant – Data Analyst (Python, SQL)   May 2021 – Present
- Collaborating with Law Research Team of 'Paper Prison Initiative' at Santa Clara University Law School for a statistical study of gap size in criminal history expungement
- Analyzing criminal data for convicts, building an eligibility rule engine as per Clean Slate Act and implementing a gap analysis framework for various states using Python

Atlassian   Santa Clara, CA
Data Science Practicum (Python, SQL)   July 2021 – December 2021
- Improved the CLV prediction based on customer level firmographic information, purchasing history and product utilization behavior using Python, feature engineering and Machine Learning
- Improved the model measurement score by 16.8% by exploring approaches like Residual Analysis, Ensemble Method, and Customer Lifecycle Concept
- Created 36 new features which contributed to the model improvement

Move78 (Monocle Consulting)   New Delhi, India
Trainee (Python, Excel, Git)   July 2020 – December 2020
- Worked alongside artificial intelligence and machine learning team to create architectural pipeline to automate age old practices by extracting data from various scanned documents utilizing OCR techniques to create structural information
- Partnered with Product Development team to identify user bugs to increase accuracy and product throughput
- Performed quality control for other projects and reached 93% accuracy

Creative FunctionApps Pvt. Ltd.   Noida, India
Trainee – Data Analyst/Scientist (Power BI, Hadoop, Hive, Spark, Scala)   August 2018 – April 2020
- Worked on Hadoop architecture for 'pView' app, an analytical tool with interactive reporting, to shift from RDBMS to help telecom clients with making processed reports for their data
- Created processed reports from raw data of 'Umang' app by applying spark, scala, hive, Hadoop, power BI
- Researched tools and frameworks like Power BI, Hadoop and explored how these tools may be used in implementing processed reports from raw data

ACADEMIC PROJECTS

Effects of COVID lockdown on AQI (Python Libraries: Matplotlib, Scikit Learn, Seaborn): Analyzed the effects of COVID lockdown on AQI levels of India by studying the pollution levels over the years from 2015 to 2020 using Python and trained a model to predict the AQI values. Ran several regression models post p-value and null hypotheses analysis for verification of relevant fields exploratory data analysis using scikit learn.

Software Project Management (JIRA, MS Project, SCRUM, SDLC, Product Design): Incorporated an OSS to solve a business problem faced by the company associated with the Tech-for-good domain and increased their revenue by 5%. Used combination of Spiral and SCRUM development life cycle practices to better optimize the process of requirement analysis and design user stories. Quantified the project by doing ROI and ROV analysis.

ADDITIONAL INFORMATION

Community Service: Volunteered at various NGOs and was involved in activities like providing free education to children, organizing cancer awareness campaigns and fundraisers