Indrajeet Javeri

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Education

University of Georgia, Athens, GA, U.S.A   **May 2021**
Master of Science in Computer Science
Thesis & Research: Comparative analysis of statistical data modeling versus machine learning for time series forecasting.
Relevant Coursework: Algorithms, Database Management Systems, Data Science, Machine Learning, Advanced Data Analytics
GPA – 4.00/4.00

Savitribai Phule Pune University (University of Pune), Pune, India   **Aug 2016**
Bachelor of Engineering in Electronics & Telecommunications
Relevant Coursework: Object-Oriented Programming, Data Structures, Real-Time Operating Systems, Computer Networks
Aggregate Percentage – 73.55%

Technical Skills

Languages: Python, Java, Scala, R, SQL, Excel VBA, HTML, CSS, Javacript (jQuery), PHP
Frameworks: Django, Flask, Play 2, Spring, Laravel, Selenium, Bootstrap, AngularJS
Tools: Infogix(Data reporting), Rally(CA Agile Central), Jupyter, VS Code, Git, Bitbucket, Google Cloud Platform
Databases: MySQL, PostgreSQL, Oracle

Professional Experience

Larsen & Toubro Infotech (LTI), Pune, India   **Nov 2016 – Oct 2018**
Software Engineer
- Worked as a Software Engineer in Business Insurance domain.
- Major responsibilities included real-time monitoring, failure resolution of batch jobs and root cause analysis.
- Additional responsibilities included developing, maintaining & updating the software solutions.
- Gained understanding of software development life cycle practices such as regression testing and deployments.
- Worked with ETL and data transformations team to build newer features and fix defects in the data pipeline.
- Worked on data extraction batch jobs on Oracle RDBMS.
- Received client appreciation for creating an automation tool, using EXCEL VBA.
- Increased the efficiency of the team by around 80% & reduced the manual efforts by about 2-3 hours per week.

Project Experience

DNS Forwarder & Traceroute applications, *Computer Networks course (Solo projects)*   **Oct 2020 – Nov 2020**
- Implemented these command line applications using low-level socket programming in Python.
- Provided user abstraction by using regular DNS and DNS-over-HTTPS techniques.
- Worked with raw sockets in Linux for sending, receiving, and filtering real-time packets on an Ubuntu server.

Data Analysis and Modelling of Airbnb Housing, *Data Science course (Group project)*   **Mar 2020 - Apr 2020**
- Worked on analyzing & modeling Airbnb housing data to propose a price estimator solution for business.
- Applied data pre-processing, statistical analysis, and data visualization techniques to gain deeper insights.
- Modelled the data using statistical and machine learning models for comparative analysis.
- Formulated evidence-based conclusions and provided relevant recommendations for business growth.

Food Ordering System, *Database Management course (Group project)*   **Oct 2019 - Nov 2019**
- Collaborated with 3 peers to design & architect a software solution for an online food ordering system.
- Contributed by designing the database by comparing schemas generated by BCNF, 3NF, and UML techniques.
- Implemented a web application on Java-based Play2 web application framework.
- Worked with JDBC API & MySQL to perform SQL queries & demonstrated data extraction knowledge.
- Implemented Front-End website using HTML and jQuery.

Client Registration and Appointments System, *Freelance Project*   **Nov 2018 - Jan 2019**
- Worked on creating a Django Web Application for client registration and appointment booking.
- Included features such as scheduling a meeting/appointment, maintaining meetings/appointments,
- Worked with MSG91 API and Django Core Mail feature for sending SMS and email to the user.

Publications

- Improving Neural Networks for Time Series Forecasting using Data Augmentation and AutoML
  Submitted to 2021 IEEE Big Data Service conference