Srivatsava Pusarla

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EDUCATION:

University of Maryland Baltimore County   **August 2019 - May 2021**
Master of Science in Information Systems.
Cumulative GPA: 3.68/4.00.
Coursework: Advanced Database Project, Management Information Systems, Distributed Systems, Data Mining, Decision Making Support, Big Data Techniques and Fundamentals, Project Management, System Analysis and Design.

WORK HISTORY:

Systems Engineer | Tata Consultancy Services LTD.| Hyderabad, India   **December 2016 – July 2019**
- Developed **RESTful APIs** using **Spring** and **Java** to compare the migrated data between legacy and destination systems which helped in validating the data transfer which contains details of **80 million** policies.
- Refactored frontend and backend code for a web application which will be used by millions of customers.
- Developed new code (Java, Spring Framework, Nov 2018) which led to a **20% reduction in reported coding errors** and reduced the run time of validating massive data transfer.
- Worked on customers' requirements for content management and developed user responsive web pages.
- Created a Web service for clients which **saves 20K USD** annually for the next 4-5 years.
- Refactored the developed code to reduce the run time of massive data from **2hrs to 45min** which helped the testers to test the data faster.
- Collected and Analysed the problems from the users in the form of business needs and documented the findings in the form of requirements for assigning the tasks to **23 associates** and managed the project workflow.

SKILLS:
Java, Python, HTML, CSS 3, JavaScript, SQL, PL/SQL, NoSQL, Bootstrap, Restful API, Spring, Node.js, Oracle DB, DB2, JSON, Git, Eclipse IDE, RSA, STS, Maven, Tableau, Power BI, WEKA, Advanced Excel (Pivot | Lookups), SoapUI, Agile and Scrum methodologies, AWS, Machine Learning (Clustering, Regression, Decision trees, Random Forest, Classification), Knowledge of project management and product design.

ACADEMIC PROJECTS:

YouTube Trending Video Analysis.
- Built a machine learning model to predicted likes and comments for a video using a dataset which contains **40,000+ records**.
- Applied sentiment analysis on the video title to find out what kind of titles can fetch a greater number of views based on polarity and subjectivity of the title.
- Based on the results found solutions for the youtubers on how to attract more views to their channel.
- Winner of **best innovative project** award and **best poster** award based on the voting from 80+ students and 15 professors.

Course Registration System.
- Developed an advanced database project which will be used by **1000+ students** each year for their class registrations.
- Implemented 16 features for a university course registration system for adding, dropping, waitlisting courses.

Case study and analysis of League of Legends (LOL).
- Analysis and complete landscape study of the game revenue model, impact on society and youth, professional leagues and ranked playing by reviewing **10 articles and 12 websites** and collecting game data from **92 gamers**.
- Research and analysis based on the landscape study to find out what factors in the game have attracted the players to keep playing the game.

ADDITIONAL INFORMATION:
- **Tutor & Buddy, TCS, India:** Guided freshmen and interns as a tutor to make them understand the Java webservice based application by conducting flexible code walk throughs and technical knowledge transfer sessions.
- **Rising Star:** This award was given to me for **leading a team of 5 Associates** for designing, developing, testing and delivering the project with efficiency and reducing the failure rate up to **50%** within a time frame of 2 months.
- **Graduate Research Assistant (August 2020 – Present):** Developing Neural networks to detect the hurricane effected areas and find out which buildings and roads in those areas need more attention first.