

Shashwat Singh

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Skilled Senior Systems Engineer with a comprehensive background in Computer Science and Engineering, complemented by a Master's in Data Science. I am currently pursuing a Master's in Data Science, specializing in Data Analytics and Machine Learning, at the University of Arizona. My objective is to leverage my expanding analytical capabilities and technical expertise to excel as a Machine Learning Engineer. With a proven track record of driving significant improvements in data processing and automation, I am eager to apply my knowledge and experience to extract insights and add value through data-driven decision-making.

EDUCATION

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| • Master of Science in Data Science | University of Arizona, Tucson, AZ | CGPA: 3.67 | May 2025 |
| • Bachelor of Science in Computer Science and Engineering | RGPV, Bhopal | CGPA: 7.6/10 | May 2019 |

WORK EXPERIENCE

Senior Systems Engineer | Infosys Ltd.

Feb 2020 - June 2023

- Drove Robotics Process Automation (RPA) development and data mining and cleaning activities for 3 major clients
- Developed reusable python frameworks for data scraping, mining and processing
- Collaboratively worked with BI analysts, successfully gathering and integrating data from diverse sources, facilitating a **50% increase** in data mining efficiency
- Created over 100 database tables, 50 stored procedures, and 20 complex queries with joins, resulting in a 10% increase in data accuracy and a 20% improvement in database performance
- Implemented and designed over **30 successful Robotics Process Automation use-cases** in Logistics and HR
- Expertly crafted complex queries and join across **MySQL and MS-SQL**, leveraging 3+ years of SQL proficiency
- Designed and reviewed Data Mining architecture for the team

MASTERS ACADEMIC EXPERIENCE

Predictive Analysis of Brain Stroke Data | University of Arizona | Tools: Python, Pandas, Scikit-Learn, Matplotlib

- Conducted comprehensive statistical analysis using a dataset containing clinical and demographic information related to brain strokes.
- Developed machine learning models to identify key risk factors and predict stroke occurrences, enhancing understanding of contributory health indicators.

Analyst | Research & Trend Analysis | Tucson, AZ | Tools: R Studio

- Devised exploratory data analysis techniques to validate findings while producing business solutions
- Provided insights by creating data visualizations to highlight the trends in data

Machine Learning Engineer | Machine Learning Models | Tucson, AZ | Tools: Microsoft Excel, Visual Studio Code, Jupyter Notebooks

- Developed predictive models with a focus on creating accurate linear regression models for analyzing Track and Field data using Time Series modeling
- Developed Decision Trees and Logistic Regression Models to analyze athletic performance levels using key metrics.

SKILLS

Core Skills: Artificial Intelligence, Natural Language Processing, Data Mining Algorithms, Machine Learning, Agile Methodology

Programming Languages: Python, R, C#, Java

Databases: SQL, MS-SQL

Data Visualization: Power BI, R Studio, Excel

Tools: Visual Studio Code, Jupyter Notebooks, GitHub, Google Collab, Keras, Tensorflow, PyTorch

POSITIONS OF RESPONSIBILITY

Spotbot Dev Team Lead | Infosys Ltd.

- Spearheaded a team of 4 people for monitoring and development of 50+ automated software Bots for a Logistics Client at Infosys.
- Involved in Data Mining and Data Visualization activities to gauge the performance of the bots over manual process.

Data Migration and Integration Lead | Infosys Ltd.

- Led a 3 person team for the migration, modification and cleansing of data for an Aerospace Manufacturing client.
- Automated and streamlined the entire process in the given strict deadline, much to client's appreciation

ACHIEVEMENTS

- Nimble Ninja Stellar Award, 2020, Infosys, for Improving business operation agility
- Delivery Excellence Stellar Award, 2021, Infosys, for delivering high quality outcomes resulting in 7M+ revenue