Devesh Singh

San Jose, CA 95126 | (408) 569-6278 | [devesh.singh@sjsu.edu](mailto:devesh.singh@sjsu.edu) | [LinkedIn](https://www.linkedin.com/in/devesh-singh-9998a6199/) | [Portfolio](https://deveshs2015.wixsite.com/discoverdevesh)

**OBJECTIVE**

# Graduate student in Data Analytics at SJSU with experience in SQL, Python, Power BI, AWS, and Angular. Passionate about leveraging Big Data, Machine Learning, and Cloud Technologies to develop efficient data-driven solutions. Seeking opportunities in data analysis, visualization, and software development while continuously enhancing technical expertise.

# EDUCATION

**San José State University, San José, CA** Aug 2024 – Aug 2026

Master of Science in Data Analytics

**Lakshmi Narain College of Technology Excellence, Bhopal, India** Aug 2017 – May 2021

Bachelor of Technology in Computer Science and Engineering

# EXPERIENCE

**System Engineer**

**Tata Consultancy Services, Pune, India** Oct 2021 – Jul 2024

# Implemented SQL to query and manipulate data, ensuring accurate data in models for a Fortune 100 client, predicting sales potential across the United Kingdom. Deployment of predictive models led to a 21% growth in sales.

# Constructed an Issue Detection System (IDS) framework aimed at detecting issues first-hand and assigning them to different sources based on priorities. The resolving rate increased by 19% over a year.

# Developed the front-end UI for JLR’s demand forecasting system, enabling algorithm integration and reducing inventory costs by 18%.

# Utilized MongoDB to analyze inventory data across Europe and Asia, identifying 13% of inventory as surplus; generated graphs using MongoDB Atlas, revising resource allocation by 25%.

# Designed and optimized web interfaces using Angular, improving UX and increasing user engagement by 30%. Developed a front end for a high-traffic platform (10,000+ daily visitors) with scalable components, reducing load time by 25%.

# Implemented Docker and Kubernetes for cloud deployment, improving application efficiency and scalability.

# PROJECTS Bay Area Traffic Analysis & Forecasting | AWS Redshift, Python, Power Query

# Built a data warehouse integrating 50M+ records, improving query performance by 40%.

# Reduced fact table size from 7M to 500K rows, optimizing data storage and retrieval.

# Developed interactive Power BI dashboards to visualize traffic congestion patterns, accident hotspots, and weather impact.

# Resolved AWS IAM access issues, improving team collaboration and reducing setup errors by 50%.

# Website Traffic Analysis Using MapReduce | Hadoop, Python, MRJob

# Analyzed website logs using MapReduce, identifying peak traffic hours at 8 PM with 5,458 requests.

# Eliminated data inconsistencies, improving log processing efficiency by 30%.

# Food Delivery App | React, Node.js, MySQL

* Built a full-stack food delivery platform with a seamless user experience for browsing and ordering meals.
* Designed a responsive UI using React & Bootstrap, improving device usability.
* Reduced page load time by 25% by optimizing React components and minimizing network requests.
* Enhanced security by implementing JWT authentication, reducing unauthorized access attempts by 90%.

# SKILLS

**Programming Languages**: Python, Java

**Data Analysis & Visualization**: Power BI, Tableau, Alteryx, AWS, Hadoop, Kafka, Spark

**Databases**: MySQL, MongoDB, Amazon Redshift, Snowflake

**Other**: Git, React, Postman, HTML, CSS, TypeScript, Angular, Node.js

**ACHIEVEMENTS**

* Awarded the **Smart Team Award** for outstanding contribution to the team at Tata Consultancy Services for the year 2023
* Awarded the **Star Performer of the Quarter Award for Q2 2022** at TCS for consistently delivering tasks on time, standing out among peers, and earning appreciation from my manager.