

# ***Shilpi Sirohi***

Tampa, Florida 33617

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https://shilpisirohi.com

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## **AREAS OF EXPERTISE**

- AWS Certified Solutions Architecture Associate with extensive, hands-on knowledge in design, feature development, and quality assurance of Cloud based and on-premise architectures from user stories and code reviews to detailed acceptance testing.
  - Initiative-taking, innovative, modern engineering mindset based on best practices to broaden the tech stack and introduce new, unique, and scalable features including cloud computing, analytics, reporting, visualizations, and computation.
  - Reliable, consistent software developer proficient in multiple languages and tools to architect difficult technical and business challenges ranging from back-end scalability to analytical functions and aggregation.
  - Outstanding interpersonal and communication strengths leveraged to train users and team members, troubleshoot system issues, and ensure total client satisfaction.
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## **Education and Training**

**Master of Science in Computer Science**  
University of South Florida, Tampa, Florida

January 2019 – December 2020  
GPA: 3.81

**Master of Science in Computer Application**  
Uttar Pradesh Technical University, Uttar Pradesh, India

August 2007 – July 2010  
GPA: 3.37

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## **Technical Proficiencies**

- *Languages:* Python, Core Java, SQL, PL/SQL, HTML, Bootstrap, NodeJS, JavaScript, Shell Scripting
  - *Tools & Technologies:* AWS (Cloud and Distributed Computing), Restful API, Docker
  - *Software Packages:* TensorFlow, Pandas, NumPy, Scikit-Learn, Keras, JavaFX
  - *Software:* Eclipse, SQL Developer, PyCharm, Jupyter notebook, Visual Studio, Git, Tortoise SVN, Jira
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## **Professional Experience**

Center for Urban Transportation Research, University of Southern Florida, Tampa, Florida

**Graduate Research Assistant** (12/2019 – Present)

- Design and developed visualization tool in JavaScript (Node.js, Express.js, Charts.js and leaflet.js) for motorcycle accidents in Florida.
- Build restful web service by writing AWS Lambda functions to automate the process of data load, verify accuracy and completeness of data.
- Deploy the visualization tool on EC2 Linux instance, and database on AWS RDS.

Oracle Corporation, Hyderabad, India

**Applications Engineer** (2/2014 – 12/2018)

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- Lead the designing and feature development to view and manage the services, processes, and application logs via web-based portal. It reduced the ticket resolution time of L2 Support Team.
- Developed MySQL scripts to automate the validation process of the high-volume data, reduced the data load time by 10% by fine-tuning the existing functions and queries. Schedule job in Microsoft servers to automatically send alerts in case of delays and failures.
- Lead the team of two developers to deliver major Dataraker product integration with Meter Data Management (MDM) Oracle utility by building REST API in Java.
- Won cash award at Annual Innovation Summit for recommendation to automate formerly manual process of creating customer XMLs with new Windows Desktop tool in JavaFX.
- Conceptualized and released feature to show and color-code meters data, transformer data, grids data, and customer data on maps using JavaScript library with longitude and latitude positioning.
- Train and mentor the new employees.

Tech Mahindra, Hyderabad, India

**Software Engineer** (12/2010 – 2/2014)

- Engaged with clients to understand and document requirements, prioritize features, and finalize development schedules.
  - Wrote code and completed unit testing in Java and JUnit to receive XML files from MQ, parse files, and load data into database.
  - Carried out performance unit testing, system testing, user acceptance testing, and business verification testing. Provided post-production support.
  - Generated 25% increase in profitability in APAC and Americas for Thomson Reuters by delivering capability to calculate total cost of products and services per subscriber.
  - Recognized as top scorer in completion of three-month onboarding program.
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## — Coursera Certifications —

Certified AWS Solution Architect- Associate

TensorFlow in Practice Specialization ~ TensorFlow: Data and Deployment

Deep Learning Specialization ~ IBM Data Science Professional Certification