Sakshi Srivastava

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OBJECTIVE: Application for a Software Engineering Internship

EDUCATION:

University of Texas, Arlington, TX	**Jan 2022**
Master of Science in Computer Science	
SIET, Gr. Noida, India	**May 2015**
Bachelor of Computer Science and Engineering	

ABOUT ME:

Languages: Python, Java, HTML, CSS, JavaScript
Database Management Systems: DynamoDB, MySQL, Oracle, IBM DB2
Frameworks: Adobe Cold fusion, NodeJS, Flask. Jinja, JQuery, XmlRPC, Spark
Technologies: AWS (S3, Lambda, ECS, SageMaker), Azure (Databricks, Data Lake), VIM, Git SCM, Tortoise SVN
Tools: (OS: Linux, MacOS, Windows), JIRA, Quality Center, Teradata SQL Assistant, CDOPT, Prism
Machine Learning Tools: Scikit-learn, Pandas, Keras, Numpy
Certifications: Microsoft Azure Fundamentals (AZ-900)

WORK EXPERIENCE:

AMDOCS (AT&T), India   **Software Developer, May 21- Dec 21**
• Led on prem data migration to Microsoft Azure Data Lake by performing ETL (extract/transform/load) jobs
• Delivered multiple projects with required proficiency in Apache Spark architecture with databricks.
• Developed and maintained business functions with cross platform PySpark libraries
• Experienced with MapReduce, Azure Data Bricks, Azure Data Factory, Azure Data Lake

AMDOCS (AT&T), India   **Application Project Manager, May 19- May 21**
• Managed project teams throughout the full delivery lifecycle: business strategy, requirement analysis, design, build and testing
• Published production release status reports to external clients while working closely with AT&T release management
• Responsible for successful delivery of projects to plan, budget and costing
• Worked in both Waterfall and Agile delivery projects

IBM (AT&T), India   **Web Developer, July 16 – May 19**
• Participated and analyzed high level design documents and prototypes
• Working on MPI reports, writing one time setup scripts in oracle for various DW screen
• Provided code review feedback in web application code base and resolves issues in a timely manner
• Led knowledge transfers and onboarding meetings for new members
• Supported business partners in unit, integration, and system testing
• Attended daily standups with US 1rst line manager and onshore team on daily basis

SELECTED PROJECTS:

Data Market API (Python, Flask, Jinja, AWS – DynamoDB, S3, Redshift)
• Designed HTTP API's for uploading, downloading, and deleting datasets
• Leveraged AWS S3, DynamoDB and Redshift as backend storage for storing these datasets based on the use case
• Developed a front-end interface using Jinja templating and HTML
• Documented the architecture diagram and estimated the costs of the infrastructure.

Distributed file server (Python, RPC, CLI)
• Designed a drop box like feature for synchronizing the client and server files using RPC protocol
• Leveraged multi-threading to perform the four basic operations: UPLOAD, DOWNLOAD, DELETE, and RENAME
• Created a python CLI for interacting with the client and server
• Synchronized the nodes by using a logical clock represented by number of messages sent and received
• Enriched the node-to-node communication with a vector clock to demonstrate the order of events
• Benchmarked and optimized the server by creating latency metrics and load testing with concurrent requests

Sonar Signal Recognition (ML, AWS SageMaker, graph visualization)
• Created a sonar signal recognizer by leveraging machine learning classification algorithms and hosted in SageMaker
• Implemented and evaluated the accuracy of 3 different algorithms using Naïve Bayes theorem, SVM and Neural Network
• Developed graphs and UI using python matplot libraries to showcase the accuracy and ROC curve