Shayideep Sangam

508 Main St NE, Atlanta, GA 30324 | sangamshayideep@gmail.com | (732) 824-9053 | LinkedIn | GitHub

SUMMARY

Graduate student with commendable knowledge and experience in the field of Software development. Worked as Software Developer for over **2 years** with exposure to all phases of software development life cycle.

EDUCATION

Georgia State University, Atlanta, Georgia   GPA: 3.80
Master of Science in Computer Science   Aug 2018 - May 2020
Courses: Machine Learning, Big Data Programming and Data Security

Indian School of Business, Hyderabad, India   GPA: 3.78
Technology Entrepreneurship Program   Jun 2015 - Jun 2017
Courses: General Management, Business Model, Team management and Market Research

Sreenidhi Institute of Science and Technology, Hyderabad, India   GPA: 3.92
Bachelor of Technology in Computer Science & Engineering   Jun 2013 - Jun 2017
Courses: Data Base Management, Software Engineering, Design and Analysis of Algorithms

TECHNICAL SKILLS

Programming Languages	: Python(Pandas, Numpy), Java
Big Data Technologies	: Map Reduce, Pig, Hive, Sqoop, Spark, Tableau
Web Technologies	: HTML5, CSS3, JavaScript, Bootstrap
Databases	: MySQL, AWS DynamoDB, RDB
Development Tools	: Eclipse, Git, Maven, Jenkins
Cloud Computing	: AWS Lambda, EC2, Beanstalk, S3, SQS, GCP

EXPERIENCE

Software Internship, Equifax, US   May 2019 – Present
- Developed a data dashboard for analyzing slow queries for NCPlus Operations team.
- Improved application performance using pagination, multiple search query and cache.
- Migrating an on-premise project to Google Cloud Platform (GCP).
- Reduced frequent data hit penalty by 30% by implementing a new cache mechanism in Multi-tier Application.
- Actively involved in complete CI/CD Pipeline.
  Technical Stack - AngularJS, Oracle 12c, JavaScript, Java, Google Cloud Platform and Fortify

Graduate Research Assistant, Georgia State University, US   Jan 2019 – May 2019
- Exploring GPS data sources to monitor congestion, speeding and abnormal traffic conditions.
- Implemented Density-Based Clustering Algorithm to cluster most frequent places visited by a user.
  Technical Stack - Python, Geopy, Pandas, Numpy, Machine Learning, Tableau.

Software Engineer, **Urban Dart Technologies, India**   Jul 2017 - Jul 2018
- Implemented complete Hadoop Infrastructure including Map Reduce, Pig, Hive and Sqoop.
- Experience in importing and exporting data into HDFS and Hive using Sqoop.
- Experience in providing support to data analysts in running Hive queries and Tableau dashboards.
  Technical Stack - Python, Hadoop, Hive, Pig, MySQL, HDFS and tableau.

Intern, Defense Research and Development Organization, India.   Dec 2016 - May 2017
- Exploring Access control mechanism for USB devices on Linux using UDEV Framework.

PROJECTS

Heartbeat Monitoring System

Developed a Heartbeat Monitoring system using Arduino and Internet of things (IoT) concepts for Health Care Analytics. It analyses heart rate values for lightheadedness, stress management and to detect uneven heart rate.
Technical Stack - Arduino programming, Python and MySQL.

Classification of Bacterial Strains as Drug Resistant

The aim of this project was to predict the parameters of the strains of pseudomonas aeruginosa and thereby classify them as drug resistant to the two drugs, based on the image of the culture after it was exposed to the drugs.
Technical Stack - Python, TensorFlow, pandas, keras, Jupyter.

CERTIFICATIONS & AWARDS

- **President,** "Street Cause NGO" at Sreenidhi Institute of Science and Technology.   2015 - 2016
- **AWS Certified Developer – Associate**   2019 - 2022