Krutika Sarode she/her/hers

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SKILLS

Programming Skills: Python, Java, SQL, Scala, Machine learning models
Tools: BitBucket, Github, SQLDeveloper, Linux, Hue, Sparkshell, Jira (Agile), Eclipse

EDUCATION

- University of Massachusetts Amherst- M.S. in Computer science **Exp. Graduation Jan 2024**
  Current semester course work: Machine learning, Systems of data science, Database Design and Implementation
- Cummins College of Engineering,Pune,IN - B.E. in Computer Engineering(GPA: 8.3/10) **May 2015 - May 2019**

EXPERIENCE

CitiCorp services, Pune IN – *Technical analyst* **Jul 2019 - Dec 2021**

- Worked in the research big data technology team on setting ETL for large magnitude datasets. Worked on complex computations for Environment,Social and Governance(ESG) data for PRISM application dashboard using scala, data streamlining for Citi's credit card data using Java, CDP data aggregation using python
- Was responsible for data manipulation, cleaning and pipelining of data on platforms such as hive and hadoop file system. Got extensive knowledge of hadoop and spark environment
- Executed data validations using statistical computations on reports of ESG data using scala functional programming.
- Integrated ARIMA model for time series prediction on stress data to predict trends and seasonal patterns on data using python.Implemented various data visualization libraries such a matplotlib, seaborn and plotly to represent results to clients

CitiCorp services Summer Analyst Internship, Pune IN – *Technical analyst* **May 2018 - Jun 2018**

- Trained Deepspeech, an automatic speech recognition(ASR) model that uses recurrent neural networks. Was able to improve the accuracy and speed upto 89% for automatic speech recognition model to provide search engine optimization using python
- Devised various NLP models like TF-IDF and other multiclass classification models for keyword extraction from recognized speech

PROJECTS

CitiCorp Hackathon project(Python,topsis) **Sep 2019 - Nov 2019**

- Developed a model for Pairs trading to find the top 10 pairs which will perform best in the market
- Evaluated the best stocks for pairs trading by calculating stationarity of data or finding out its correlation, cointegration, and vector normalization on stocks data. Used python statistical models for ranking correlated stocks

B.E. final year project(AWS lambda, Node js, Alexa toolkit) **Nov 2018 - Mar 2019**

- Developed a meeting delegation software for automatic scheduling of meetings in an organization using goal based artificial intelligence models to learn and adapt to user preferences
- Used conversational AI concept for easy interaction of user with the application by using voice interface. Made use of Amazon skill kit and AWS Lambda functions to set up skills in Alexa. Attained model accuracy upto 92%

QJ Technologies(Php, Ajax, Javascript)

- Design and implementation of Content Management System for Product Inventory. Developed a website for traders to upload their inventory products for advertisement and promotional purposes

ACTIVITIES

Association of Computing Machinery (ACM) member - Event Organizer **May 2018 - June 2019**

- Active member of ACM team and received a student sponsorship at the Grace Hopper Career Fair Celebration India'18

CCIC Hackathon

- Organized Citi's CCIC Hackathon2.0 Tech challenge and was selected to be a part of the jury to judge solutions devised by participants in a recruitment drive