MET Bhujbal Knowledge City

Expert Session on
"Recent Tends and career opportunities in Data Science"
Organized by Department of Information Technology
16th March 2023
Expert Session Outcome

- Almost 135 students from final and prefinal year were benefited by the said session.
- Resource speaker Miss. Surabhi Metre shared her experience as a Data Science developer with students.
- Student got chance to understand the phases in Data Science project lifecycle,
- Students were introduced with the tools and platforms used in the Data Science domain.
- The various roles, career opportunities and required skill sets were discussed with students. Students got motivated to earn skills required for making career in Data Science.
- The overall session addressed PO-1, PO-6 and CO6 (314452: DSBDA)

MET Bhujbal Knowledge City

MET Institute of Engineering

Resource Person

Miss. Surabhi Metre
DATA SCIENTIST ASSOCIATE
JP Morgan Chase & Co, India

- Experienced Software Engineer with a demonstrated history of working in the financial services industry.
- Data Scientist Associate at JP Morgan Chase, India
- Formerly, Data Science Developer at UBS Business Solutions, India
- Industry Expert for Data Engineering - A value added course at Symbiosis Institute of Geoinformatics, Pune
- Session speaker at Women in Data Science Community, Pune

MET's Bhujbal Knowledge City, IOE Department of Information Technology

Surabhi Metre

Data Scientist Associate

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Passionate believer of data and its driver capabilities. Analytical mindset with technical skillset. Experienced Software Engineer with a demonstrated history of working in the financial services industry.

EXPERIENCE

DATA SCIENTIST ASSOCIATE

JP Morgan Chase & Co, India (Aug 2022- Ongoing)

- Working in **Treasury Services Analytics** under Payments RnA
- Closely involved in international transactions to identify settlement currencies and generate **forex revenue** using data analytics
- Also, a part of STS projects focusing on existing client by **product improvisation and continuous service**

Technology : **Pyspark, Pandas, Hive, Hue, Tableau**

DATA SCIENTIST

UBS Business Solutions, India (July 2019-Aug 2022)

- Leveraging **AI-Ops** to predict hardware failure and forsee upcoming maintenance activities to minimize production failures
- Developed **resource capacity management model** for the MC to devise an efficient resource allocation strategy for BAU by analysing working patterns of ~4000 employees using intensive data analysis
- Led the development of a robust, reusable **data ingestion framework** to build data pipelines for delta data coming in from various data sources such as RDBMS, JSON, flat files to Cloudera Hadoop ecosystem eliminating ~200 automated jobs
- Created multiple Tableau visualization dashboards for insightful decision making by transforming data incoming from various sources

Technology : **Python, Hadoop, SQLAlchemy, PyHive, Cloudera, Hue, Tableau, Alteryx**

PROJECTS

Predictive Analytics of Nifty 50 stocks
Neural network based prediction model for Nifty 50 stocks involving technical analysis and **sentiment analysis**, along with personalized portfolio optimization
Technology : **RNN, NLTK, Python, Django, Angular**

Trade Recommendation System
An online trade **recommendation system** to assist users in choosing Nifty stocks based on their budget and risk appetite
Technology : **Oracle, SpringBoot, AngularJS, Java**

Anusuchi
A **schedule management application** to assist government officials in managing and scheduling meetings
Technology : **Ionic Framework, SpringBoot, Firestore**

NGOConnect
A **mobile application** to bridge the gap between NGOs and volunteers by allowing NGOs to showcase their work and identifying areas for volunteers to contribute
Technology : **Android, Firebase, Google Maps API**

CONTRIBUTIONS

- Core team member for solutionizing **Cloudera Hadoop Data Lake** by onboarding 100+ data sources with scheduled refresh having **Kerberos Authentication**
- Contributor for curating **Data Science Training Curriculum** undertaken by 200+ resources thus spreading data literacy
- Volunteered for developing Gamification platform built on **Gremlin** and **ReactJS**
- Led the **Grads space** and community at various forums amongst 100+ technology graduates

EDUCATION

BACHELOR OF ENGINEERING (SPPU)
Computer Engineering, 2015-2019
Graduated with 8.82 CGPA

HIGHER SECONDARY EDUCATION - 83.54%

SECONDARY SCHOOL EDUCATION - 94.00%

SKILLS AND ABILITIES

- Python/PySpark
- Java
- Tableau
- Alteryx
- Hadoop
- Hive
- Cloudera
- Hue
- MySQL
- Oracle
- Django
- Flask
- Agile SDLC
- Gitlab CI/CD
- Angular
- React
- HTML
- CSS
- Data Structures
- Operating Systems

CERTIFICATIONS

- Machine Learning (Coursera - Standford)
- Microsoft Azure Fundamentals (AZ-900)
- BigPandas

TRAININGS AND ENGAGEMENTS

Industry Expert for Data Engineering - VAC
SIG M.Sc. Data Science (July 2022 - Nov 2022)

Nominee at Personal Excellence Program
UBS India (Feb 2021 - Nov 2021)

Session Speaker (Catching up on BIG data strategies - Learning Series)
WiMLDS Community (Sep 2021 - Dec 2021)

Research Intern
ESDS Research Solutions (June 2018 - July 2019)

Trainee
CitiCorp Services (Jan 2018 - Mar 2018)

REPRESENTATION

Women in ML & Data Science (Member, Present)
Rotaract Club of Nashik Airport (Vice President)
Smart India Hackathon,Govt. of India (Finalist, 2018)

AWARDS

Contribution to special projects, UBS (July 2020)
Bronze medalist for CSR, UBS (2020)
Inspiring Women in Technology, Accenture (2017)
AIR 32 in National Creativity Aptitude Test (2017)
SSC School Topper (Mar 2013)