Koushik Khan

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SKILLS

LANGUAGE
- R
- Python
- Shell Scripting
- Julia (learning for personal projects)

ML & DL ALGO. USED
- Regression Techniques
- Classification
- Marketing Mix Modeling
- Forecasting with LSTM
- Tree Based Modeling
- Text Mining and NLP

FRAMEWORKS & TOOLS
- Linux with AWS
- Docker for deployment
- Dashboard with R Shiny
- PySpark
- MySQL, MongoDB - used on need basis

PERSONAL PROJECTS
- Personal Website
- Forecasting with LSTM
- Gradient Descent from Scratch
- Deployment of an ML Toy App
- Automate the Linux Setup
- OOP Using R

EDUCATION

M.SC, STATISTICS
VISVA BHARATI UNIVERSITY
June 2015 | West Bengal, India
Thesis: "Joint Modeling of Longitudinal
and Time to Event Data"
CGPA: 8.43

B.SC, STATISTICS
VISVA BHARATI UNIVERSITY
June 2013 | West Bengal, India
Graduated with Honors
CGPA: 8.26

CERTIFICATIONS
- Microsoft Certified: Azure Data Scientist Associate
- Microsoft Certified: Azure AI Fundamentals
- Microsoft Certified: Azure Fundamentals

EXPERIENCE

S&P GLOBAL COMMODITY INSIGHTS | SR. DATA SCIENTIST
Jan 2023 – Present | Bangalore, India
- Post merger, the roles and responsibilities are almost same
- Working closely with back-end team
  - Maintaining AWS cloud setup for the team
  - Mentoring other teams on need basis

IHS MARKIT | SR. DATA SCIENTIST
Aug 2021 – Dec 2022 | Bangalore, India

- Working with Shipping Data on a daily basis
  - Product development, feature improvement and other regular maintenance works
  - Managing a separate team for external data acquisition
  - Maintaining the internal framework for better performance
  - Communicating issues and other KPIs with the stakeholders
  - Guiding the development of data acquisition pipelines & other development activities
  - Performing post-preparation quality checks on data
  - Developing automation tools/models on need basis to support data pipelines
  - Analysis of mainstream shipping data - cargo grade analysis, volume analysis etc.
  - Addressing client queries with adhoc analysis

IBM | DATA SCIENTIST
Oct 2016 – July 2021 | Bangalore, India

- Automated Ticket Classification System using ML
- Optimization of ROI on Advertisement Spend Investment
- Marketing Mix Modeling
- Serving search queries to customers by designing a small scale search engine

BCAUSE ENTERPRISE PVT. LTD. | JUNIOR DATA ANALYST
Oct 2015 – Aug 2016 | Noida

- Developing a simulator to calculate likelihood of packet flow through different channels in an electronic device
- Working with the database team for database maintenance and adhoc analyses
- Predicting the names of human body parts from a corpus of digitized prescriptions using text classification