

KOUSHIK KHAN

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OBJECTIVE

A seasoned data scientist having over eight years of expertise in developing data-driven applications, adept at data mining, predictive modeling and data visualization as well as in scripting languages like Python and R. Seeking to leverage skills to address diverse business challenges and drive actionable solutions in a dynamic professional environment.

EDUCATION

M.Sc, Statistics: (CGPA 8.43), Visva Bharati University, West Bengal, India 2013 - 2015
B.Sc, Statistics: (CGPA 8.26), Visva Bharati University, West Bengal, India 2010 - 2013

SKILLS

Languages & Frameworks	Python, R, PowerBI, PySpark, Polars, Tensorflow, SQL, Shell Scripting, Azure DevOps
Predictive Modeling	Regression, Classification, Clustering, Sequential Modeling, Time Series Forecasting etc.
Soft Skills	Teamwork, Adaptability, Problem Solving, Critical Thinking and Time Management

EXPERIENCE

Principal Data Scientist Aug 2021 - Till Date
S&P Global Inc. *Bangalore, India*

- Directed a team in building vital data pipelines and APIs essential for the core functionalities for maritime trade products.
- Boosted team efficiency by 70% via manual task replacement and technical issue resolution by devops and automation.
- Assisted clients by analyzing maritime data in revealing trade flow impacts by various incidents.
- Utilized analytical skills to develop predictive models for forecasting ship emissions and its environmental impact.
- Aided clients by crafting a text classification model to identify bill of lading descriptions containing dual-use goods.

Methods & Tech stacks used: R, Python (PySpark, Scikit-learn, Flask), SQL, PowerBI, DevOps, AWS

Data Scientist Oct 2016 - Jul 2021
IBM India Pvt. Ltd. *Bangalore, India*

- Developed an automated system streamlining tech support ticket analysis, significantly improving team efficiency.
- Elevated client product sales by 10% across markets using Marketing Mix Models (MMM) derived from sales and ad data.
- Conceived and built a banking FAQ retrieval system, outperforming traditional keyword-based models.
- Played a key role in crafting a text cleaning methods for IBM Watson text classification API.

Methods & Tech stacks used: Python (PySpark, Scikit-learn, Flask), Regression (MMM), Latent Semantic Indexing

Junior Data Analyst Oct 2015 - Aug 2016
BCausE Enterprise Pvt. Ltd. *Noida, India*

- Identified the potential customer base for an in-house product by developing a customer segmentation model.
- Assisted the team by developing automation tools for periodically scrapping data from various web pages.

Methods & Tech stacks used: Clustering, SQL, Python (BeautifulSoup)

CERTIFICATIONS

- Microsoft Certified: Azure Fundamentals
- Microsoft Certified: Azure AI Fundamentals
- [Microsoft Certified: Azure Data Scientist Associate](#)

EXTRA-CURRICULAR ACTIVITIES

- Writing technical articles for my [blog](#) as well as other platforms.
- Exploring and learning new things to keep myself up-to-date.