

# BHESHAI KUMAR CHANDRA

## DATA SCIENTIST | ML ENGINEER | AI ENGINEER

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Data Scientist with 3+ years of experience in management consulting, delivering data-driven solutions using advanced analytics, ML, and AI. Skilled in Python, PySpark, and cloud platforms (Azure, AWS), with a proven record of driving measurable business impact for 12+ clients and cross-functional teams across diverse industries.

## SKILLS

- **Programming:** Python, R
- **Visualization Tools:** Tableau, Plotly, Streamlit
- **Deployment Platforms:** AWS (SageMaker, EC2, RDS), Azure (Databricks, MLStudio), Docker, Git
- **Libraries:** Numpy, Pandas, PySpark, Matplotlib, Seaborn, Scikit-Learn, Transformers, PyTorch, Langchain
- **Databases:** PostgreSQL
- **Techniques:** NLP, predictive modeling, clustering, optimization, time-series forecasting

## WORK EXPERIENCE

### Bain & Company | Gurgaon, India | Associate Data Scientist August 2022 - Present

- Gathered and analyzed business requirements, developed ETL pipelines using Python and PySpark, built machine learning models, developed AI-based solutions, and deployed analytical solutions using cloud infra (Azure MLStudio, AWS EC2)
- **Mentored a new team member**, resulting in a 20% reduction in onboarding time and contributing to the timely delivery of a client-specific analytics solution that improved decision-making efficiency
- Developed an automated analytical pipeline using Python to create **pricing elasticity models** with **<30% MAPE error**, enabling accurate promotion planning for a grocery client
- Designed and implemented a LightGBM-based classification model to predict **CEO transitions within 12-18 months**, achieving **75% test accuracy** and enabling partners to strengthen relationships with potential successors in client firm
- Created a **value forecasting solution** using ML and time-series modeling techniques in Python, with **<15% MAPE error**, accurately predicting three months of value generation and supporting a client's transformation strategy
- Built an **AI-powered classification solution** using LLM models (BERT) to categorize companies into sectors, industries, and sub-industries, **expanding the industry peer list by >12%**. Enhanced the solution by using more advanced LLM models from OpenAI, resulting in **>15% improvement in classification accuracy**
- Built **location intelligence based web app** using demographic and point-of-interest data and interactive dashboards in Streamlit, aiding **retail expansion and closure decisions for 2+ clients**
- Led a 2-member team to design and deploy a **Finance and Staffing Management web app** using Plotly dashboards, **reducing analysis generation time by 50%**

### Bain & Company | Gurgaon, India | Intern February 2022 – August 2022

- Developed a **text summarization module** with 4 methodologies- Sum Basic, LSA, PEGASUS, and fine-tuned BART on the BillSum dataset, achieving 54.1% ROUGE1 score, reducing time spent analyzing business reports
- Collaborated in developing a novel **string matching solution** using hierarchical clustering in Python, improving SKU matching accuracy by over 10% across product categories, enhancing product categorization for better inventory management

### Samsung Research Institute | Bangalore, India | Student Intern August 2021 – September 2021

- Developed a Python-based **automated video summarization pipeline**, training DSNet and VASNet models and achieving F-scores of 62.1% and 61.49% on the SumMe dataset, enhancing video analysis efficiency

## EDUCATION

### Indian Statistical Institute, Kolkata, India December 2020 - August 2022

Master of Technology | Quality, Reliability and Operations Research | Percentage - 72.2%

### National Institute of Technology, Srinagar, India July 2014 – June 2018

Bachelor of Technology | Mechanical Engineering | CGPA - 7.34/10

## ACHIEVEMENTS

- Awarded '**BCN Lighthouse Award 2024**' for building one of the most innovative analytical solutions of the year
- Recognized with '**Lighthouse Spirit of BCN Award 2024**' for being among the top 5% of employees, driving growth and exceeding expectations
- Achieved All India Rank 20 in ISI admission exam and All India Rank 1302 in GATE admission exam, securing admission offers from premier institutions (ISI Kolkata, IIT Delhi, NIT Trichy)