

Kushagra Thakral

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SUMMARY

Results-oriented analytics professional with experience in **product management** and a strong focus on **developing machine learning solutions**. Skilled in **data collection, preprocessing, and analysis using Python, SQL, and Power BI**, with a background in building predictive models and applying machine learning algorithms. Experience in creating impactful data visualizations to develop educational math content as a freelance math expert.

TECHNICAL SKILLS

Languages: Python, SQL , C++

Technologies/Frameworks: Google Colab, Jupyter Notebook, Power BI, Microsoft Office

Additional Courses: Structuring Machine Learning Projects, Neural Networks and Deep Learning, Perform Sentiment Analysis with Scikit-Learn, Introduction to tensorflow for AI,ML and DL , Improving Deep Neural Networks

EDUCATION

Indian Institute of Technology, Roorkee (IIT Roorkee)

2017 – 2021

B.Tech - Polymer Science and Engineering - CGPA - 7.2

Roorkee , Uttarakhand

EXPERIENCE

Product Manager , Analytics

Jan 2021 - Mar 2023

ICICI Bank

Mumbai

- Gained a comprehensive understanding of the Fixed Deposit product, **identified its key drivers**, and conducted a thorough analysis of relevant metrics and trends. Leveraged this knowledge to deliver holistic leads to the sales team, contributing to a significant **YoY increase in deposit growth rate of approximately 20%**.
- Led **training workshops for 300+ sales members**, boosting PowerBI adoption by **40%**.
- **Collected, cleaned, and preprocessed large volumes of structured and unstructured data** from multiple sources to ensure accuracy and reliability.
- Built a **collaborative-filtering recommender system** to provide targeted leads, improving conversion rates.
- **Conceptualized key metrics** to categorize newly onboarded clients into potential segments, optimising resource allocation and **increasing net new banking profit by 14% YoY** .

PROJECTS & INTERNSHIPS

Math Content Expert - Khan Academy [🔗](#) | [PowerPoint](#) , [Adobe Premiere Pro](#)

Jan 2025 - Present

- **Developed 50+ educational video content** simplifying advanced mathematical concepts for official youtube channel and website.

Data Science Repositories - Decodr Solutons [🔗](#) | [Python](#) , [JupyterLab](#) , [GitHub](#)

Jun 2020

- Built repositories of Data Science Projects **involving knowledge of Python, Machine learning, Deep learning, and Recommender Systems**.

AI Research Intern - B Aegis Life Science [🔗](#) | [Python](#) , [CNN](#) , [JupyterLab](#) , [GitHub](#)

Jun 2020

- Developed a **live cough detector** that classifies cough sounds from a variety of surrounding sounds in real-time.
- **Audio files were converted to spectrograms, and further MFCC spectrogram techniques** were used to convert the audio files to images upon which deep learning **model (CNN)** was implemented for **classification**.

EXTRACURRICULAR

- Basketball Team , IIT Roorkee - Second Runner up Inter IIT 2018 and 2019.
- Finance Cell , Geek Gazette , IIT Roorkee.