

# DEEKSHA SHARMA

## Data Scientist

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### PROFESSIONAL SUMMARY

Results-oriented Data Science Professional with a strong background in machine learning, data analytics, and artificial intelligence. Holder of a Master's in Computer Science and Engineering from IIT, showcasing a dedication to pushing technological boundaries for impactful results. Demonstrated expertise in designing, developing, and deploying advanced models and data-driven solutions. Proficient at identifying business opportunities and optimizing processes for enhanced efficiency.

### SKILLS

- **Industry Knowledge:** Machine Learning (ML), Data Science, Natural Language Processing (NLP), Data Analysis, Data Modeling, Data Preprocessing, Web Scraping, Algorithms, Mathematics, Statistics, AutoML, MLOps, CI/CD, Generative AI (GenAI)
- **Tools & Technologies:** Python, C/C++, Shell scripting, Linux, GCP, Azure, Flask, Gradio, Streamlit, REST, FastAPI, Terraform, Docker, Kubeflow, MLFlow, Keras, PyTorch, Numpy, Pandas, Matplotlib, Scikit-Learn, OpenCV, NLTK, Spacy, ChatGPT, GIT, PowerBI, MySQL
- **Interpersonal Skills:** Strategic Thinking, Analytical Skills, Communication, Leadership

### WORK EXPERIENCE

#### PRICEWATERHOUSECOOPERS PVT. LTD. (PWC)

##### Data Scientist

Gurgaon / India

02/2023 - Present

- Proposed innovative solutions and strategies for business challenges in **FMCG sector**, building and deploying machine-learning models.
- Pioneered the development and implementation of **cutting-edge Generative AI applications**, showcasing proficiency in Azure OpenAI, Lang Chain, and Gradio, and positioning the organization at the forefront of technological innovation.
- Engineered customer service and marketing applications with a focus on GPT-3.5 & Lang Chain, achieving a **20% increase in marketing content effectiveness** and a quantifiable **15% improvement in customer service response quality**.
- Played a key role in **cross-functional collaboration** to deliver end-to-end systems for predicting banner ad effectiveness, utilizing Azure services and Python Deep Learning, leading to a **25% improvement in advertising ROI** and measurable success in campaign analytics.

#### ALL INDIA INSTITUTE OF MEDICAL SCIENCES (AIIMS)

##### AI Specialist

New Delhi / India

03/2021 - 10/2022

- Designed cutting-edge AI solutions for the **healthcare industry**, fostering collaboration with researchers and engineers.
- Evaluated **ML models to classify breast cancer**, providing timely clinical decision support, and **reducing diagnosis time by 60%**, leading to more effective and immediate patient interventions.
- Innovated **MRI image analysis** by analyzing Convolutional Neural Network architectures, resulting in a **40% improvement in clinician efficiency** and diagnostic precision.
- Successfully led the deployment of a **histopathology image classification** product using PyTorch, achieving a **20% improvement in diagnostic efficiency** and pathologist satisfaction.

#### VIRTUSA CONSULTANCY SERVICES PVT. LTD.

##### Cloud Engineer

Chennai / India

07/2019 - 02/2021

- Served as a strategic technologist within **pre-sales** teams, leading the design, development, and deployment of modular cloud-based machine learning systems using Google Cloud services, contributing to a **15% growth in new client acquisitions**.
- Designed and developed a scalable **Contact Centre AI solution** using natural language engine of Dialogflow and other GCP services, resulting in a **35% increase in contact center capacity and adaptability** to fluctuating workloads.
- Ideated and developed an AI Hub solution to **enhance travel claim processing**, utilizing GCP Cloud APIs, Cloud Functions, Pub/Sub, Cloud Storage, leading to a **20% reduction in claim errors and disputes**.
- Implemented tools to automate and streamline machine learning pipeline operations on GCP.
- Contributed to the development of Infrastructure-as-a-Service (IaaS) accelerators for GCP services using Terraform.

### EDUCATION

#### INDIAN INSTITUTE OF TECHNOLOGY, DHANBAD

Master of Technology - Computer Science & Engineering (M.Tech. in CSE)

Passed with 8.59 CGPA

07/2017 - 05/2019

#### UNIVERSITY OF DELHI, DELHI

Bachelor of Technology - Computer Science (B.Tech. in CS)

Passed with 85.37%

07/2013 - 05/2017

### ACHIEVEMENTS

**Certificate of Recognition:** Solvers Challenge, **PwC, 2023** (5 solutions made to the top list)

**Certificate of Excellence:** Deep Technology Expertise in GCP, **Virtusa, 2020**

**Google Cloud Skill Badges:** [https://www.cloudskillsboost.google/public\\_profiles/22db2ffb-a458-4dfb-97f6-7819167400b3](https://www.cloudskillsboost.google/public_profiles/22db2ffb-a458-4dfb-97f6-7819167400b3)

**Azure Credentials:** <https://learn.microsoft.com/en-us/users/deekshasharma-2514/>