

DEEKSHA SHARMA

Data Scientist

+91-9999016358 • deeksha.sharma177@gmail.com • <https://deeksha-5.github.io/> • <https://www.linkedin.com/in/deekshasharma5/> • Delhi

PROFESSIONAL SUMMARY

Accomplished Data Science Professional with a strong background in machine learning, data analytics, and artificial intelligence. Leveraging a Master's in Computer Science and Engineering from IIT, I drive innovative solutions, optimizing processes, identify business opportunities. Committed to pushing the boundaries of technology for impactful results.

SKILLS

- **Industry Knowledge:** Machine Learning, Data Science, Artificial Intelligence, Natural Language Processing, Computer Vision, Data Analysis, Data Modeling, Data Preprocessing, Web Scraping, Computer Science, Software Development, Algorithms, Mathematics, AutoML, Containerization, Big Data, CI/CD, Generative AI
- **Tools & Technologies:** Python, Linux, SQL, NoSQL, GCP, Azure, Flask, Gradio, Streamlit, REST, Terraform, Docker, Kubeflow, MLFlow, Keras, PyTorch, Numpy, Pandas, Seaborn, Matplotlib, Scikit-Learn, OpenCV, NLTK, Spacy, OpenAI, ChatGPT, GIT, Jira, Power BI
- **Interpersonal Skills:** Strategic Thinking, Analytical Skills, Communication, Leadership

WORK EXPERIENCE

PRICEWATERHOUSECOOPERS PVT. LTD

Gurgaon / India

Data Scientist

02/2023 - Present

- Proposing solutions and strategies to business challenges & building machine-learning models.
- Engineering an application to improve customer service & marketing quality using GPT-3.5 & Lang Chain, resulting in lead conversion.
- Collaborated with other team members to successfully deliver an end-to-end system predicting the effectiveness of banner ads using Azure services Python, Deep Learning.

ALL INDIA INSTITUTE OF MEDICAL SCIENCES

New Delhi / India

AI Specialist

03/2021 - 10/2022

- Designed AI solutions for healthcare industry after gathering relevant information from multiple stakeholders.
- Collaborated with other researchers & engineers researching & developing models.
- Evaluated various ML models for classification of breast cancer types taking features from mammograms & ultrasounds improving diagnosis time by 60%.
- Analyzed Convolutional Neural Network architectures for classification of MRI images of breast cancer patients efficiently assisting clinicians by 40%.
- Led the development and deployment of a histopathology image classification product using PyTorch.

VIRTUSA CONSULTANCY SERVICES PVT. LTD

Chennai / India

Cloud Engineer

07/2019 - 02/2021

- Designed, developed, and deployed modular cloud-based machine learning systems being a part of Pre-sales team to handle the data science tasks in multiple domains using Google Cloud services.
- Ideated & developed a system using Dialogflow, GCP Cloud APIs, Cloud Functions, Pub/Sub, Fire store, Cloud Storage, etc. to replace long IVR paths of contact centers which engaged 2 new clients in 2020.
- Designed & developed a solution using Vertex AI, BigQuery, Kubeflow, Dataflow, App Engine, etc. guiding in appropriate adjudication of claims, increasing monthly revenue by \$150k in 2020.
- Collaborated for development of a Datalake-as-a-Service tool for large volumes of data.
- Architected an internal tool for seamless operations of machine learning pipeline in GCP environment.
- Contributed in the development of an Infrastructure-as-a-Service accelerator for GCP services using Terraform.

EDUCATION

INDIAN INSTITUTE OF TECHNOLOGY, DHANBAD

Computer Science & Engineering

07/2017 - 05/2019

UNIVERSITY OF DELHI, DELHI

Computer Science

07/2013 - 05/2017

CERTIFICATIONS: Google Cloud Platform Certified Associate Cloud Engineer (Certification ID: ATY1u0)