

Abhinav

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EDUCATION

University of Westminster

Master of Science in Data Science and Analytics

Awards: Westminster Employability Award -Gold.

Grade: First class with Distinction.

London, United Kingdom

Jan 2024 - Jan 2025

University of Engineering & Management

Bachelor of Technology in Computer Science

Awards: 2x Chancellor's Award for Tech-Maker.

Grade: First class with Distinction.

W. Bengal, India

Jun 2018 - Jun 2022

Published *research paper*: Dual-Mode Enabled IoT-Based Smart Balcony Gardening in Urban Area [Link](#).

PROFESSIONAL EXPERIENCE

Python Developer Intern | ContractPodAi | United Kingdom

May 2024 - Aug 2024

- Trained a large language model (LLM) using BERT architecture with over 250 classes, achieving 80%+ accuracy.
- Employed advanced optimization techniques to identify optimal hyperparameters, improving model efficiency and generalization by 15%.

Junior Data Scientist Consultant | Cognizant Technology Solutions | India

Jul 2022 - Nov 2023

- Conducted in-depth analysis on datasets of over 10 million records for a European client, identifying trends and patterns to deliver actionable insights.
- Designed and deployed a machine learning model to predict financial data with 90% accuracy, enabling data-driven decision-making for the client.

Artificial Intelligence & Analytics Intern | Cognizant Technology Solutions | India

Jan 2022 - Jul 2022

- Gained hands-on experience in MSBI tools (SSIS, SSAS, SSRS, Power BI, Azure Data Factory), data warehousing, and SQL (SQL-Server, MySQL), learning to process 1M+ records in ETL pipelines and apply OLAP methodologies.

Machine Learning Intern | Tata Steel | India

May 2020 - Jun 2020

- Gained hands-on experience in Industry 4.0 and Machine Learning. Created projects using simple ML models, demonstrating proficiency in data analysis and model implementation.

LEADERSHIP

Team Lead- Artificial Intelligence Internship, Cognizant Technology Solutions

Jan 2022 - Jul 2022

Student Innovation Head, University of Engineering and Management

Mar 2020 - May 2022

SKILLS

Programming: Python (Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch), SQL (PostgreSQL, MySQL, SQL Server), Git.

Data Science: Supervised & Unsupervised Learning, Deep Learning (CNNs, RNNs, Transformers), Generative AI (LLMs, Hugging Face, Ollama), NLP, Exploratory Data Analysis (EDA), Data Visualization (Matplotlib, Plotly, Power BI).

Big Data & Cloud: Microsoft Azure, AWS, SQL & NoSQL, ETL, Spark, Hadoop.

Soft Skills & Leadership: Data Science Consulting, Client Engagement, Technical Documentation, Team Coordination, Public Speaking, Presentation Skills.

PROJECT WORK

MSc. Dissertation: AI-Driven University Website Chatbot for Course Information Retrieval.

- Developed an AI-powered chatbot using LLMs (Mistral-7B, Gemma-2-9B, Llama-3.2) and RAG for university course retrieval, integrating web scraping, fine-tuning, and a vector database for accurate, query-based responses. [Link](#).

Think AI: Multi Perspective Problem Solving System with 25 Analytical Approaches.

- Engineered using the Llama-3.2-70B model via Groq API, Streamlit, and custom logic, Think AI approaches problem-solving from 25 distinct analytical perspectives, offering in-depth, structured insights. [Link](#).

AI Therapist: Emotionally Intelligent Mental Health Chatbot using GPT 3.5 Turbo API.

- Built an empathetic chatbot using OpenAI's GPT-3.5 Turbo to render emotionally intelligent mental health support, fostering a safe space for confidential self-expression, accessible anytime, anywhere. [Link](#).

CERTIFICATIONS

- AZ-900: Microsoft Azure Fundamentals | *Microsoft* | [Link](#).
- DP-900: Microsoft Azure Data Fundamentals | *Microsoft* | [Link](#).
- AI-900: Microsoft AI Fundamentals | *Microsoft* | [Link](#).
- Transformer Models and BERT | *Google Cloud* | [Link](#).
- MLOps Fundamentals: CI/CD/CT Pipelines | *Udemy* | [Link](#).
- Microsoft Power BI - The Practical Guide | *Udemy* | [Link](#).