

OBJECTIVE

Experienced and detail-oriented Data Science professional seeking challenging assignments as a Data Scientist with a reputed organization in India or overseas.

CONTACT

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EDUCATION

2015 - 2020

IIT PATNA

- PhD in computer science & Engg

2012 - 2014

KIIT UNIVERSITY

- Mtech in computer science & Engg
- CGPA: 9.08/ 10.0

2008 - 2012

BPUT UNIVERSITY

- Btech in computer science & Engg
- CGPA: 7.5 / 10.0

TECHNICAL SKILLS

Programming & Big Data:

- Python
- PySpark

Data Science & Analytics:

- Time Series Forecasting Algos
- Machine Learning Algorithms
(Classification, Regression, Clustering)

Deep Learning & AI:

- Artificial Neural Networks (ANN),
- Convolutional Neural Networks (CNN)
- Computer Vision (YOLOv7)
- Speech Recognition (Whisper-ASR)
- LLM, LLaMA (Meta), Falcon 7B (TII), and Vicuna 13B

DR. ANITA CHANDRA

APPLIED DATA SCIENTIST



PROFILE

Applied Data Scientist with 3+ years of experience delivering AI/ML solutions across healthcare, cybersecurity, and media domains. Skilled in Large Language Models (LLMs), computer vision, and speech recognition, with proven expertise in developing end-to-end pipelines, fine-tuning open-source models, and delivering actionable business insights. Strong academic foundation with a PhD in Computer Science from IIT Patna, complemented by hands-on experience with global clients such as AbbVie (USA), VCA (USA), and Frammer.AI (India).

WORK EXPERIENCE

● Applied Data Scientist Feb' 2022-Jun' 2025

MC Squared AI (India) Pvt Ltd | Remote

Skills Gained:

Python, Time series models, ML Algos, Pyspark, SQL, power BI, contour, palintir, wishper-ASR, Yolov7, LLMs, fine tuning of LLM models

● Knowledge Associate Jan' 2021-Jan' 2022

CDAC Mohali | onsite

Skills Gained:

ML Algos, CNN, Honeypot, web-scraping.

INDUSTRY PROJECTS

Client: C-DAC, Mohali (India) | Data: Cybersecurity Datasets

- Applied deep transfer learning for **malware image classification**.
- Built multi-class models for **attack traffic classification** from Honeypot data (IoT, Web, Benign).

Client: AbbVie, USA | Data: Healthcare Datasets

- Forecasted patient counts and market share of drugs** using classical time-series models.
- Designed **hospital segmentation models** using clustering and predicted adoption ladder of HCPs.
- Developed a framework for **health checking, monitoring, and dynamic KPI reporting**, addressing issues in source datasets.

Client: MCS & VCA, USA | Data: Healthcare Datasets

- Developed a Q&A model for pet care queries using GPT-4o-mini, combining prompt-based techniques and fine-tuning to improve accuracy and relevance.

SOFT SKILLS

- Analytical
- Team Management
- Problem-Solving
- Decision-Making
- Communicator

CERTIFICATION

Udemy - Complete Data
Science,Machine Learning,DL,NLP
Bootcamp
Odate - 9/2025

PERSONAL DETAILS

- Date of Birth: 29th June 1990
- Languages Known: English & Hindi
- Hobbies: Teaching, Travelling

Client: Frammer.AI, India | Data: Media/News Datasets

- Fine-tuned **OpenAI Whisper (ASR)** on Hindi news audio using HuggingFace.
- Fine-tuned **Falcon-7B** and **Vicuna-13B LLMs** for headline generation and news summarization.
- Optimized **YOLOv7 object detection** to convert 16:9 news videos into 9:16 ratio for media platforms.

ACCOMPLISHMENTS

- **Participated and successfully** completed the INDO-ML Competition 2024, worked on problem statements related to Large Language Models (LLMs)
- **Attended and presented** at reputed international conferences in France, Dubai, and Moscow, along with participation in a national-level conference
- **Qualified UGC NET** in 2014.
- **Received** MHRD Scholarship along with travel grants from **Microsoft Research** India and **ACM India-IARCS**.

ACADEMIC RESEARCH

Modelling and Characterizing Growth of Online Networks:, Proposed two different probabilistic growth models for online networks. These models are validated over several real-world web-based networks such as MovieLens, YouTube, Twitter, Amazon, Wikipedia, etc. Moreover, the models are applied to study the growth of top-25 languages of Wikipedia. Further, investigated saturation/slowdown in the growth of collaboration and cohesiveness of top-22 languages of Wikipedia using Network Motifs.

PUBLICATIONS

- Anita Chandra, Himanshu Garg, and Abyayananda Maiti, " Investigating selection behavior of new and old users in online emerging user-object networks", ASONAM'17, July 31 - August 03, 2017, Sydney, Australia.
- Anita Chandra, Himanshu Garg, and Abyayananda Maiti,"How fair is your network to new and old objects?:A modeling of object selection in web based user-object networks", The 18th International Conference on Web Information Systems Engineering (WISE 2017), 7-11 October, Moscow, Russia.
- Anita Chandra, and Abyayananda Maiti, "Modelling editing preferences of new and old editors of different languages in Wikipedia", The 19th International Conference on Web Information Systems Engineering (WISE 2018), 12-15 November 2018, Dubai, UAE.
- Anita Chandra, and Abyayananda Maiti,"Investigating Saturation in Collaboration and Cohesiveness of Wikipedia using Motifs Analysis", The 8th International Conference on Complex Networks and their Applications (Complex Networks 2019), 10-12 December 2019, Portugal, Lisbon.
- Anita Chandra, Himanshu Garg, and Abyayananda Maiti, "A general growth model for online emerging user-object bipartite networks", Physica A: Statistical Mechanics and its Applications, 370 - 384, issn, "0378-4371".