

ASHUTOSH MISHRA

Bhubaneswar, Odisha · +91 8018642428 · prog.mishra@gmail.com
linkedin.com/in/ASH1998 · github.com/ASH1998 · https://ashutoshmishra.dev

WORK EXPERIENCE

AI Lead (GenAI Practice)

October 2023 – till date

Wipro

MKD, HYD

- Leading a team of 15 GenAI developers
- Spearheaded the development of GenAI and ML-powered diagnostic tools to identify root causes of infrastructure instability, driving a 15% reduction in MTTR.
- Fine-tuned Large Language Models (LLMs) to provide a domain-specific answer.
- Trained and deployed SLMs for Root Cause Analysis (RCA) on an on-premises environment using GPUs.
- Solved garbage data issues using data preprocessing techniques and GenAI prompt engineering to enhance data quality.
- Built an insights system using Agentic RAG to scan hundreds of documents and retrieve results in under 5 seconds, leveraging PostgreSQL as a vector database and generating recommended actions.
- Deployed NVIDIA NeMo Guardrails to implement a compliance-focused safety system, reducing LLM hallucinations by 25% and improving response accuracy through intent validation and filtering.

Data Scientist

May 2021 – October 2023

Let's Cooe

Pune, MH

- Developed e-commerce traffic to predict intent of purchase in real-time for 5 Million+ sessions per day.
- Deployed an event-driven architecture to improve data processing efficiency by over 60%
- Fine-tuned and deployed a custom Large Language Model(LLM) for user segmentation, reduces memory usage by 20%
- Enabled the CRO team to drive data-backed decisions by integrating LLM-powered insights via LLM tool/function calls to Postgres, leading to a 4%+ uplift in conversion rates.
- Implemented an end-to-end MLOps pipeline to automate training, evaluation, and deployment of intent models; integrated CI/CD, monitoring

Associate Data Scientist

June 2019 – May 2021

Riverus

Pune, MH

- Achieved 90% precision in high-value analytics extraction from Legal Corpus, optimizing data quality.
- Accelerated fuzzy text matching by 25% for large-scale quoted text comparisons across multiple Legal Corpus datasets, improving accuracy and efficiency
- Led the creation, scaling, and deployment of an ensemble model combining transformer and supervised machine learning algorithms, enabling one-class classification for over 160k users

INTERNSHIP

Data Science Intern

Aug 2018 – Sep 2018

KG LLP

BBS, Odisha

- Developed a predictive system using LSTM, GRU, and XGBoost models to forecast stock price movements
- Restructured high-frequency time series data to automate data collection and prediction processes

Machine Learning Intern

Feb 2018 – May 2018

Intel Indexer LLC

BBS, Odisha

- Implemented LSTM, DTW and scalable methods to develop a prediction system, achieving a 5% higher accuracy rate compared to IMF
- Applied Bayesian methods for uncertainty quantification in GDP prediction modeling

EDUCATION

IGIT, Sarang

Aug 2015 – April 2019

Bachelor of Science in Computer Science, Hons. in AI and RTS

Talcher, Odisha

SKILLS

Languages: Python, Javascript, Git, GenAI

Frameworks: Pytorch, Huggingface, TGI, Sklearn, Pandas, Numpy, Docker, CI/CD, Ngnix, Langchain

Databases and Cloud Tools: PostgreSQL, SQL, MongoDB, AWS, Google Cloud, Azure, OpenAI, ChromaDB

Key Skills: Generative AI, Machine Learning, Deep Learning, MLOps, Serverless Deployment, RAG, Agents, API Development, POCs, LLM tool/function calls

INTERESTS

LLM, AGI, PC Hardware, Kaggle