

Abhishek Kumar

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Education

Indian Institute of Information Technology, Nagpur
Bachelor of Technology in Computer Science Engineering

2021 – 2025

CGPA: 8.50

Relevant Coursework

- Machine Learning
- Deep Learning
- Statistics for AI & DS
- DBMS
- Artificial Intelligence
- Large Language Model
- NLP
- OOPS
- DSA
- Computer Networking
- OS
- Software Engineering

Work Experience

Mastersoft ERP Solutions Pvt.Ltd

December 2024 – Present

AI/ML Intern

- Extracted insights from real-world datasets, identifying key trends and developed ML models achieving 98% accuracy.
- Designed and deployed APIs integrating content generation powered by LLMs, automating workflows.
- Built scalable MLOps pipelines to process dynamic datasets, enhancing the adaptability and reliability of ML solutions.

Projects

Stock Predictor Pro

March 2024 – April 2024

Python, Machine Learning, Statistics

- Analyzed 5 years of stock data using Monte Carlo simulations to predict stock behavior and evaluate Value at Risk.
- Developed simulation-based forecasting model, achieving 63% accuracy in the accuracy of stock behavior predictions.
- Enhanced prediction reliability by Value at Risk (VaR), reducing uncertainty in loss estimates by 15%.

Ocular Health Classifier

March 2024 – April 2024

OpenCV, Machine Learning, Deep Learning

- Implemented a CNN-based eye disease classification system using CNN models, with 96% overall accuracy.
- Implemented various models like VGG16/VGG19, LeNet, DenseNet, etc whereby improving 3% accuracy.
- Further improvement by leveraging an ensemble approach (Sequential & DenseNet) combining multiple model's strengths.

DISHA: Conversational IIITN Chatbot

Oct 2024 – Nov 2024

AI, Fine Tuning-LLMs, RAG

- Developed a multilingual chatbot by fine-tuning LLMs and RAG for real-time assistance on the IIITN website.
- Built a scalable retrieval-based framework to deliver accurate and contextually relevant responses.
- Led the end-to-end development process, including data collection, preprocessing, and model fine-tuning, resulting in improved user accessibility and query resolution efficiency.

License and Certifications

- 2023 Amazon ML Summer School — [Link](#)
- 2023 Data Analysis with Python(IBM) — [Link](#)
- 2023 Machine Learning with Python(IBM) — [Link](#)
- 2024 Fundamentals of Deep Learning(NVIDEA) — [Link](#)
- 2024 NLP Applications(NVIDEA) — [Link](#)

Technical Skills

Languages: Python, SQL, Java, C/C++, HTML/CSS, JavaScript.

Technologies/Frameworks: Flask, Excel, Tensorflow, Docker, DVC, mlflow, LangChain, Power BI, Git/GitHub, APIs.

Databases: MySQL, Pinecone.

Achievements

Qualified HackWithInfy conducted by INFOSYS.

Engaged Participated in Competitive Coding Platforms like Leetcode and CodeChef.

Member of IIITN Orator Club.