

Abhishek Gautam

AI Developer

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Professional Summary

AI Developer with a robust background in computer engineering and software development, specializing in applied machine learning to drive impactful solutions. Skilled in analyzing complex data sets, designing strategic AI models, and effectively communicating insights into cross-functional teams. Committed to solving real-world business challenges through innovative data-driven approaches.

Education

National Institute of Technology Kurukshetra (NIT KKR)

2021 - 2023

M.Tech - Data Science & Engineering

Kanpur Institute of Technology

2017 - 2021

B.Tech - Computer Science And Engineering

Experience

Intel – Software Development Engineer

Aug 2023 - Present

- Built LLM based Agentic AI solution for pre-silicon validation and modeling with real-time data analysis
- Built RAG based chatbot with 95%+ consistent retrieval score. This helped pre-silicon teams to access FW/SW documentation faster and improve their coding productivity by 50%..
- Automated latest binary integration using Jenkins and ML models reducing 80% of integration time.

Intel – Intern

July 2022 – July 2023

- Built automation workflows for integration using Jenkins
- Built predictive analysis for data loads on integration servers

Webworks25– Founder CEO

Feb 2020 – June 2022

- Created ERP services for medium to low scale businesses

Skills

- **Machine Learning & AI:** Generative AI, Regression, Classification, Forecasting, Clustering, Image Processing
- **Statistical & Analytical Tools:** Python (Pandas, NumPy, Scikit-learn), PySpark, SQL, Scipy, Matplotlib, Seaborn
- **Cloud Technologies:** Jenkins, Azure, Nginx
- **API Dev-tools:** Fast API, Flask

Research:

- **Deep Fake video analysis** – Finding of this research contribute to the growing field of AI-driven media authentication and security, providing valuable insights and tools for combating misinformation and digital deception. Published my research work on Deepfake image and video Identification using CNN in springer [Paper](#)

Projects:

- **Cloud-based Dynamic Machine Learning Model Training Platform** - Using TensorFlow, SK-learn, and flask This project is built for MTech
- **Bitcoin Price Prediction based on News Sentiment Analysis** - Using TensorFlow and Keras