

Karann Mishra

AI/ML Engineer | Python Developer | Data Analyst

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Summary

AI/ML engineer skilled in Python, machine learning, and data analytics with hands-on experience building production-ready models and scalable pipelines. Delivered measurable results in client and research projects, including boosting NLP signal accuracy by 22% and reducing model latency by 30%. Strong background in deep learning, data processing, and financial text analysis, with international collaboration experience.

Technical Skills

- **Programming:** Python, C/C++, Java, SQL
- **ML/AI:** TensorFlow, PyTorch, Scikit-learn, Keras, OpenCV
- **Data Handling:** Pandas, NumPy, SciPy, Matplotlib, Seaborn, MySQL
- **Concepts:** Data Structures & Algorithms, Statistics, Data Visualization
- **Tools:** Git, Jupyter, VS Code, Streamlit, Power BI, Linux

Experience

AI/ML Developer – Remote Client Project (Etienne, Paris)

Remote | Nov 2024 – Present

- Built NLP pipeline for extracting financial insights from SEC filings.
- Integrated NLP back-testing modules and ML frameworks, improving prediction accuracy by 22%.
- Reduced processing time by 35% through optimized code and data pipelines.
- Collaborated with an international team to deliver scalable AI tools.

R&D Intern – Geek Theory Pvt. Ltd.

Ujjain, MP | Mar 2024 – Jul 2024

- Developed ML plugins for hybrid mobile apps.
- Improved model accuracy by 18% with ensemble methods.
- Reduced latency by 30% through pipeline optimization.
- Coordinated with cross-functional teams for deployments.

Key Projects

- **Stock Predictor (SEC Filings + LSTM):** Built pipeline to parse 10-K/10-Q filings; achieved 87% prediction accuracy.
- **Fraud Detection (6.3M rows):** Reached 99.97% accuracy; reduced false positives by 18% using SMOTE.
- **Sentiment Analysis Engine:** Trained NLP model with 92% accuracy; real-time predictions under 1s.
- **Lead Generation Bots:** Automated email/data scraping, improving marketing leads by 25–30%.
- **Image Classifier (CNN, ResNet-18):** Achieved 87% accuracy with PyTorch and augmentation.

Education

- **B.Tech in Computer Science** | 1st Rank in College | CGPA: 8.26
Sri Aurobindo Institute of Technology, Indore, MP (2020 – 2024)

Certifications & Achievements

- Google Coursera – Python Crash Course
- OpenAI – ChatGPT Prompt Engineering
- IEEE Student Branch, Chief Secretary, SAIT
- MSME Govt. Certification in Python (2021)
- Intl. Math Olympiad – Zone Level, 2nd Position
- Gold Medalist – Blind Coding & Quiz Competitions