Nikunj Galaiya

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Professional Summary

MSc Artificial Intelligence student at Brunel University London with hands-on experience in machine learning, deep learning, NLP, and cloud deployment (AWS, GCP, Azure). Skilled in Python, TensorFlow, and full-stack AI development. Currently on a UK Student Visa, eligible for Graduate Route Work Visa until Feb 2028. Seeking a full-time Python/AI developer role in the UK starting September 2025.

Education

Brunel University London, UK
MSc Artificial Intelligence *Sep 2024 – Sep 2025*
Key Courses: Machine Learning, NLP, Deep Learning, Computer Vision

Universal College of Engineering, India
B.E. Artificial Intelligence and Machine Learning *Aug 2020 – Jun 2024*
GPA: 7.79 / 10.0

Technical Skills

Languages: Python, JavaScript, SQL
AI/ML: TensorFlow, PyTorch, Scikit-learn, Keras, OpenCV, NLTK
Data Tools: Pandas, NumPy, Matplotlib, Tableau, Power BI
Cloud/DevOps: AWS, GCP, Azure, Docker, Kubernetes
Web/DB: HTML, CSS, React.js, MongoDB, SQL

Experience

AI Intern, Cyborg, Dubai, UAE *Mar 2025 – Present*
- Improved model inference speed by 22% via TensorFlow optimizations.
- Integrated trained models into production using Docker and REST APIs.
- Enhanced data handling efficiency by 18% through preprocessing optimization.
- Worked collaboratively in Agile teams with engineers and product managers.

AI Integration Intern, Arcitech, India *Jan 2024 – Jun 2024*
- Improved recommendation accuracy by 15% using deep learning.
- Reduced deployment time by 30% across cloud platforms using Docker and Kubernetes.
- Built predictive analytics tools with a 20% increase in insight accuracy.
- Processed over 10 million data rows using Pandas and NumPy.

Web Development Intern, City&Talent, India *Aug 2023 – Dec 2023*
- Developed responsive websites using React.js, Angular, HTML, and CSS.
- Increased site performance by 65% through frontend optimization.
- Built reusable components reducing future dev time by 25%.
- Used Git for version control in collaborative development.

Projects

Voice Gender Recognition using Deep Learning
GitHub: Voice-Gender-Classification-Using-Deep-Learning
- Built deep learning pipeline with MFCCs, spectrograms, Parselmouth features.
- Trained CNN and ANN models; deployed via Flask with Docker and ensemble voting.

Customer Churn Prediction using Machine Learning
GitHub: CUSTOMER-CHURN-PREDICTION
- Trained XGBoost, Random Forest, and Neural Networks on customer datasets.
- Tuned models with GridSearchCV and interpreted results with SHAP values.
- Proposed deployment using Flask or Streamlit dashboards.

Real Estate Price Prediction
GitHub: REAL-ESTATE-PRICE-PREDICTION
- Built regression model to predict housing prices with structured datasets.
- Performed visual EDA, correlation analysis, and model training.
- Designed deployment-ready UI using Flask/Streamlit.

Certifications

- Google IT Automation with Python (Coursera)
- IBM Machine Learning Professional Certificate (Coursera)
- Google Cloud: Big Data and Machine Learning (Coursera)
- Microsoft Certified: Azure Data Fundamentals

Achievements & Leadership

- Head of Discipline Committee, Universal College of Engineering
- Fluent in English, Hindi, Gujarati