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Abhishek Mehta

LinkedIn
Glasgow, Scotland, UK

PROFESSIONAL SUMMARY

Results-driven Python Developer with over 3 years of experience delivering production-grade AI/ML solutions, GenAI chatbots, and NLP applications across finance, insurance, and healthcare domains. Skilled in developing scalable cloud-based APIs, deploying machine learning models, and building real-time data processing systems. Proficient in Python, FastAPI, AWS, and Docker, with a strong foundation in software engineering and MLOps practices. I recently completed an MSc in Big Data Technologies at Glasgow Caledonian University, UK. Eligible to work full-time under the Graduate Visa route from July 2025.

EDUCATION

Glasgow Caledonian University
M.S. in Big Data Technologies
Glasgow, Scotland, UK
January 2024 – July 2025

Medicaps University
Master of Computer Applications
Indore, India
August 2018 – July 2020

SS Jain Subodh PG College
Bachelor of Computer Applications
Jaipur, India
August 2015 – July 2018

WORK EXPERIENCE

Cogno AI (now Exotel)
Python Developer
Mumbai, India
May 2022 – Dec 2023

- Built and deployed GPT-powered customer service chatbots for the BSFI sector, reducing manual queries by 40%.
- Deployed ML models on AWS using Docker containers.
- Integrated RESTful APIs for automation for support workflows.

Robotronix India Pvt Ltd,
Software Developer
Indore, India
Jan 2021 – April 2022

- Developed microservices using Flask and FastAPI for IoT and data platforms.
- Automated ETL pipelines and improved dashboard responsiveness by 60%.
- Collaborated with cross-functional teams for Machine learning and IOT integration.

PROJECTS

- **AI in Dementia Research**: MSc Dissertation, GCU
  - Conducted NLP-based bibliometric analysis on 865+ PubMed articles.
  - Identified research trends using Python, VOSviewer, and NetworkX.

- **Mahindra Insurance Bot**: Cogno AI
  - Designed a WhatsApp chatbot using Hugging Face Transformers to handle 70% of policy queries.
  - Cut customer support load by 45%.

- **Internal Banking Assistant (Poonawallah Bank)**: Cogno AI
  - Developed secure AI chatbot for internal loan handling and FAQs, increasing resolution speed by 30%.

- **FIFA GenAI Chatbot**: Robotronix India Pvt. Ltd.
  - Build a FastAPI + AWS Lambda-based GenAI bot for match info, bookings, and payments.
  - Managed 10k+ concurrent user sessions during the 2022 World Cup.

SKILLS

Programming Languages: Python, C, C++, Bash, JavaScript

Frameworks & Libraries: FastAPI, Flask, Transformers, TensorFlow, PyTorch, Keras, Scikit-learn, Hugging Face.

Algorithms: Neural Networks, Convolutional Neural Networks, Recurrent Neural Networks, Transfer Learning.

Data Analysis & Visualization: Pandas, NumPy, Matplotlib, Seaborn, SQL, Tableau, NetworkX, VOSviewer.

Computer Vision: OpenCV, Image Processing

Deployment & MLOps: Docker, Kubernetes, Git, CI/CD Pipelines, REST APIs, Linux, Agile.

Cloud Platforms: AWS(EC2, Lambda), Google Cloud, Docker, Git.

Database Management: MySQL, SQLite, PostgreSQL, MongoDB.

Soft Skills: Team leadership, strategic planning, effective communication

CERTIFICATIONS

- **Python for Data Science**: Coursera: Introduction to Python for Data Science, Data Wrangling, Exploratory Data Analysis.
- **Deep Learning Specialization**: Coursera: Neural Networks, Improving DNN, CNN, Sequence Models
- **TensorFlow in Practice Specialization**: Coursera: Introduction to TensorFlow for AI, ML, and DL, CNN, NLP
- **Basic Statistics**: Coursera: Probability, Statistical Hypothesis Testing