

KAUSHIK DAS

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Experienced Software Engineer with over 3 years in the field, holding a postgraduate degree in Artificial Intelligence. Specialized in Machine Learning, Deep Learning, Generative AI, Natural Language Generation(NLG), LangChain and Large Language Models(LLMs), proficient in developing and deploying Object Detection Models. Seeking to further advance my career in a professional environment where I can contribute to cutting-edge projects with a focus on AI-driven solutions.

WORK EXPERIENCE

Software Engineer | Kairos Consulting | July 2019 – December 2022

- Contributed to an R&D project for a healthcare client focused on real-time image processing. Utilizing OpenCV and Scikit-Image for Noise reduction, contrast enhancement, and feature extraction.
- Developed and integrated CNNs with TensorFlow and Keras to pattern and anomaly detection in medical images. Optimized processing algorithms (FFT, PCA) using NumPy and SciPy.
- Built and maintained an end-to-end web application for an e-commerce client using MERN stack.
- Designed a responsive UI with React.js and developed RESTful APIs for authentication, product, and order management.
- Analyzed sales data and implemented Random Forest model, which predicted customer demand led to a 12.8% increase in sales.
- Utilized AWS EC2 for scalable hosting, deployed applications with Docker for consistent environments, managed AWS RDS for secure database, implemented S3 and CloudFront for efficient asset storage and integrated CI/CD pipelines.

Intern | Core JAVA with Android | RCPL(HP) | January 2018 – March 2018

- Developed and tested Android applications using JAVA, contributing to the improvement of app functionality and user experience.

EDUCATION

Master of Science in Artificial Intelligence | University of Aberdeen, UK | January 2023 - June 2024

- Focused on generative AI, machine learning, data mining, deep learning, and software agents, gaining practical skills while working with models like Random Forest, LSTM, GANs and Transformer networks.
- Worked on team projects to design and implemented deep learning models for image recognition and lateral language processing. Acquired practical skills and deep theoretical knowledge through coursework and prepared to tackle real-world challenges effectively.

Bachelor of Technology in Electronics and Communications | IEM, KOLKATA, INDIA | 2015 - 2019

PROJECTS

Spiking Neural Networks ([GitHub](#))

- Worked on the behavioral patterns of spiking neural networks and their applications in industries such as data analysis, image classifications and object detections.

Satellite Image Classification ([GitHub](#))

- Demonstrated my data preparation and machine learning skills in the project by classifying segmented data from satellite images and showcasing important insights about the datasets.

Music Recommendation System ([GitHub](#))

- Showcased my data processing, analytics and web development skills by creating a system that predicts user's music preferences based on their listening history, ready to deploy on Heroku.

SKILLS

Programming and Web Development: Python, Java, C, HTML, CSS, JavaScript, Django, React

Machine Learning, AI & Data Science: TensorFlow, PyTorch, Scikit-learn, Keras, Generative AI, NLG, LLMs

Frameworks and Tools: React, Fast API, Rest API, Flask, Gradio Framework

Database & Cloud Computing: MySQL, Microsoft Access, AWS

CERTIFICATIONS

IBM Machine Learning with Python (Coursera)

Software Engineer Certificate(HackerRank)

Google Agile Project Management Certification (Coursera)