UDIT SRIVASTAVA

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SUMMARY

Software Engineer with 2 years of experience in AI/ML, proficient in Python, C++, and cloud platforms. Skilled in developing AI-driven applications and ML models to solve business problems. Currently pursuing the PGPAT - Post Graduate Program in Algorithmic Trading conducted by the Indian Institute of Quantitative Finance to expand expertise in financial analytics.

SKILLS

- **Machine Learning / Artificial Intelligence:** TensorFlow, Keras, LLM using Transformer Architecture, NLP, Generative AI
- **Programming Languages:** Python, C++/C, R
- **Cloud Platform:** Azure, AWS SageMaker
- **Database:** SQL, MongoDB
- **Algorithmic Trading**
- **Version Control:** Git

EXPERIENCE

- **Software Engineer | Xoriant Solutions Private Limited, Pune, India**   Nov '20 - Jul '22
  - Developed an accurate NLP model in Python, achieving 85% accuracy in disease prediction from transcripts and contributing to healthcare analytics.
  - Engineered a Data Simulator in C# for heavy industries, leveraging Azure's Cosmos DB APIs and reduce API response time by 20% enhancing data processing efficiency.
  - Managed the design and implementation of a Cloud-based financial management dashboard integrating MSSQL and PowerBI.
  - Collaborated on an IoT team to develop a user-friendly Tracking Application for monitoring medicine truck temperature and location. Improving logistics management in healthcare and reducing response time by 25%.

- **Software Intern | Nuclear Power Corporation of India Limited, Kakrapar, India**   May '19 - Jun '19
  - Designed and developed the front-end page for a Survey Management System using ASP.NET with C# and VBScript, ensuring a responsive and intuitive user interface for easy navigation and data entry, resulting in a 20% increase in user satisfaction.

EDUCATION

- **Dublin City University, DCU | Dublin, Ireland | MSc in Computing (Artificial Intelligence)**   Percentage: 68% | 2023
- **International Institute of Information Technology, I^{2}IT | Pune, India | BE in Computer Engineering**   CGPA: 7.88 | 2020

ACADEMIC PROJECTS

- **Auto Content Extraction (Dublin City University, DCU)**   Sep '22 - Aug '23
  - Implemented BigBird PEGASUS and T5 models, leveraging parallel computing to train transformers and achieve a ROUGE-1 F1-score of 0.45 in summarization tasks.

- **ETSY Category Prediction (Dublin City University, DCU, Mid-Semester Project)**   Jan '23 - Apr '23
  - Conducted data preprocessing and feature engineering using NLP methodologies.
  - Engineered neural network models for accurate categorization of products achieving a 55% accuracy rate.

- **Farmer's Social Media (Rocket Software, Hackathon)**   Apr '19
  - Managed the development of a React.js-based social media platform for farmers. Securing 3rd Place in the Hackathon
  - Designed and implemented a portal for expert consultations, empowering farmers with valuable insights and solutions.

- **Deep Learning on Malaria Dataset (International Institute of Information Technology, I^{2}IT)**   Sep '19 - Sep '20
  - Applied deep learning techniques such as ResNet CNN and Sequential CNN on a large-scale malaria dataset, achieving state-of-the-art performance in cell image classification tasks with an accuracy of 96%.
  - Paper Link: https://journal.umy.ac.id/index.php/jrc/article/view/8662/0

CERTIFICATION AND ACHIEVEMENTS

- PGPAT – Post Graduate Program in Algorithmic Trading (Pursuing)
- Open-Source Software Development, Linux and Git Specialization
- Generative AI with Large Language Models
- Pat on the Back certificate from Xoriant for exceptional work in Safetychain Project.
- Google IT Automation Certification
- Stanford Machine Learning Certification