# DEEPALI YADAV

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## PROFESSIONAL SUMMARY

AI-driven software engineer with a Master's in Artificial Intelligence Applications and 3+ years of experience in software QA. Skilled in building ML models, deep learning pipelines, and deploying scalable AI solutions. Strong foundation in Python, model evaluation, and cross-functional collaboration. Currently seeking entry-level roles in Machine Learning Engineering, AI/ML Ops, or Data Science to apply academic expertise in real-world production systems.

## EDUCATION

**University of Strathclyde**                                                                                    Oct 2024
*Masters in Artificial Intelligence and Applications*                                              Glasgow, UK
*Key Modules: Machine Learning for Data Analytics, Deep Learning & Neural Networks, Big Data Technologies, AI for Autonomous Systems, AI for finance*

**University Of Mumbai**                                                                                        July 2019
*Bachelors in Electronics and Telecommunication Engineering*                          *Mumbai, India*

## PROJECTS

- **Crop Disease Classification Using Deep Learning :** Developed an image classification system using Inception, Xception, and ResNet on plant image datasets. Applied data augmentation, transfer learning, and validation strategies and optimised model performance through hyperparameter tuning.- [GitHub](#)

- **Classification of songs based on genre :** Built supervised ML models (Logistic Regression, Random Forest, SVM) to classify Spotify songs by genre. Conducted feature engineering, cross-validation, and hyperparameter tuning to improve accuracy and generalization.- [GitHub](#)

- **Skincare Chatbot :** Created an AI-powered chatbot that provides personalized skincare routines using the GPT-3.5 API. Integrated OpenAI's cloud-based LLM API for real-time, human-like response generation and deployed via Streamlit. Demonstrated cloud API integration and prompt engineering.- [GitHub](#)

## WORK EXPERIENCE

**Capgemini Technology Services India Limited**                          **Jul 2020 - Aug 2023**
**Mumbai, India**

### Associate Consultant / Software Engineer (Jul 2022 - Aug 2023)

- Led System Integration Testing (SIT) for a major global fast-food chain's application (Australia, Canada, France), to support stable releases and identify cross-system issues early in the delivery cycle
- Utilised JIRA, Confluence, and Zephyr for test case management, documentation, and defect tracking

### Senior Software Analyst (Oct 2021 – Jul 2022)

- Designed and executed over 2000 test cases, and providing 300+ defects reports, covering 95% of application defects.
- Performed Salesforce testing by creating and executing test cases mapped via a traceability matrix, ensuring full coverage of functional and integration requirements across global teams in CET, and EST time zones.

### Software Analyst (Jul 2020 - Oct 2021)

- Tested payment flows across iOS, Android, Kiosk, and Point-of-Sale systems, identifying 70+ critical defects.
- Used Charles Proxy and Fiddler for network debugging; reported and managed bugs via JIRA.

## SKILLS

**Languages:** Python, SQL, R, Java, JavaScript

**ML Libraries:** Scikit-learn, TensorFlow, PyTorch, OpenCV, Pandas, NumPy, Matplotlib, Seaborn

**AI TechniquesL:** Supervised and unsupervised learning, Classification models, LLMs, NLP, CNNs, Deep learning, Transfer Learning, Post-Training, Hyperparameter Tuning

**Cloud & Tools:** OpenAI Cloud API, Google Cloud (academic projects) Git, Streamlit, JIRA, Confluence, Zephyr

**Project Management:** Agile, Scrum, Waterfall, SDLC, STLC

**Reporting:** Bug Tracking, Traceability Matrix, Excel, Word, PowerPoint

## CERTIFICATION

- Professional Scrum Master I (PSM I) Issued by Scrum.org- Link

- Agile Software Development from University of Minnesota- Link

## AWARDS

Capgemini Star Award for month June 2022 - Recognized for outstanding contributions in software testing and defect resolution.