



JUBHAJIT DEB

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SUMMARY

Transitioning from 4.5 years of Quality Assurance (QA) experience to Machine Learning (ML) and Deep Learning (DL) through self-directed learning and project-based experience. Proficient in developing and evaluating ML/DL models, with a focus on NLP, sentence embeddings, and deep learning frameworks (PyTorch, TensorFlow, Keras).

TECHNICAL SKILLS

- **QA & Automation:** Selenium, TestNG, Rest Assured, Swagger, Postman, Jira, GIT
- **ML/DL & NLP:** PyTorch, TensorFlow, Keras, Scikit-Learn, Machine Learning, Deep Learning, Natural Language Processing (NLP), Sentence Embeddings

CERTIFICATIONS

- Machine Learning Specialization, Stanford University (Coursera)
- Python for Beginners, OpenCV University
- Python Skill Assessment, Scaler

PROFESSIONAL EXPERIENCE

Quality Analyst | RipenApps Technologies Pvt. Ltd., Noida | Oct 2022 – FEB 2024

- Collaborated with cross-functional teams to align software features with business objectives.
- Automated API and functional test cases using Manual testing and Selenium, improving testing efficiency.
- Utilized Jira for defect logging and tracking, ensuring timely resolution and closure in Agile development.

QA & BA (Software Tester) | Frontier Markets Consulting Pvt. Ltd., Jaipur | Jul 2019 – May 2022

- Conducted web and mobile application testing, including functional, regression, localization, and compatibility testing.
- Designed and implemented automation frameworks using Selenium (Java), resulting in reduced manual testing efforts.
- Managed test plans, test cases, and defect life cycles.

EDUCATION

- **Bachelor of Technology** - Kalinga Institute of Industrial Technology, Bhubaneswar, Odisha | 05/2015 – 03/2019 | CGPA: 7.23
- **Senior Secondary** - Kendriya Vidyalaya NFR Maligaon, Guwahati, Assam | 08/2014 – 03/2015 | 73.3%
- **Secondary School** - Kendriya Vidyalaya NFR Maligaon, Guwahati, Assam | 08/2013 – 03/2014 | CGPA: 10

MACHINE LEARNING PROJECTS

- **Fine-Tuning Sentence Transformer for E-commerce FAQ**
 - Fine-tuned Sentence Transformer models on hybrid dataset (40% real, 60% synthetic Q&A pairs)
 - Fine-tuned SentenceTransformer improved accuracy and recall by **over 52%**, reduced false negatives by **89%**, and more than **doubled positive similarity scores** compared to the MARCO base model.
 - Implemented cosine similarity for matching user queries to relevant FAQ content
 - [Technologies: Tensorflow Keras, Sentence Transformers, FAISS]
- **AI-Powered Bulk Resume Parser**
 - Developed NER pipeline using spaCy and regex to extract key information from resumes
 - Implemented skill matching algorithm to rank candidates based on job requirements
 - Extracted key information (name, education, skills, experience, and contact details, Valid Candidature) and saved it into a structured CSV format.
 - [Technologies: Python, spaCy, NER, Pandas]
- **AI Meeting Note Taker with Summarization**
 - Built end-to-end solution with noise cancellation and transcription (Whisper)
 - Implemented abstractive summarization using Hugging Face models
 - Created Gradio UI for easy meeting processing from Zoom, Teams, and Skype
 - [Technologies: OpenAI Whisper, Hugging Face, Gradio, NLP]

ACHIEVEMENTS

- National Level Table Tennis Player
 - Represented Assam and Odisha in school nationals.
 - Won Gold, Silver, and Bronze medals in Kendriya Vidyalaya Nationals.
 - Represented Kendriya Vidyalaya in SGFI (School Games Federation of India).

QA Projects

- Cobone: Deals & offers app in UAE
- Auricle: eLearning platform for medical aspirants
- Mednovate: HIPAA-compliant medical consultation app
- Meri Saheli: Rural e-commerce platform