Shubham Shinde

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SUMMARY

Innovative Data Scientist with expertise in Generative AI, machine learning, and natural language processing. Proven track record in developing and implementing AI-driven solutions using state-of-the-art frameworks and methodologies. Skilled in Python, API development, and cross-functional collaboration.

EDUCATION

- **Ramrao Adik Institute of Technology** — Nerul, MH
  Bachelor of Computer Engineering; CGPA: 8.1 — *Aug. 2019 – May. 2023*
  - **Image Re-Colorization**: Engineered color restoration for black and white images using Deep Neural Networks, Streamlit.
  - **Real-time Object Detection System**: Implemented computer vision solution for image and video analysis using Haar cascades, WebRTC, and Streamlit.
  - **Mobile Photo Editing Application**: Created feature-rich Kotlin app for image manipulation and enhancement
  - **Details**: *Projects-Linkedin*

SKILLS SUMMARY

- **Languages**: Python, C++, SQL, HTML, CSS, JavaScript, PHP
- **Frameworks & Libraries**: Django, Flask, LangChain, PyTorch, TensorFlow, Pandas, Scikit-learn
- **Competencies**: Generative AI, Machine Learning, Natural Language Processing, Data Preprocessing, Model Training and Optimization
- **Tools & Technologies**: Hugging Face, GitHub, Colab, Streamlit, Vector Databases (e.g., Chroma), Retrieval-Augmented Generation (RAG)
- **Soft Skills**: Problem Solving, Analytical Thinking, Cross-functional Collaboration, Effective Communication, Time Management

WORK EXPERIENCE

- **JSW Infrastructure** — Dharamtar Port Pvt Ltd
  Graduate Engineer Trainee — *Aug 2023 - Present*
  - **LLM-Driven Automation**: Developed and implemented AI-powered systems, including Company data-driven chatbot, GST, and TDS reconciliation, leveraging machine learning techniques for improved accuracy and efficiency.
  - **Data-Driven Decision Making**: Implemented real-time tracking and analytics systems, integrating with camera feeds for area-wise people counting, enhancing security and resource planning through data-driven insights.
  - **NLP and Computer Vision**: Utilized natural language processing and computer vision techniques to digitize operational processes and streamline document management, improving overall efficiency and compliance.
  - **Details**: *Projects-Linkedin*

RELEVANT PROJECTS

- **Generative AI Image Colorization**: Developed a deep learning model using GANs for automatic colorization of black and white images, achieving high-quality results.
- **Real-time Object Detection System**: Implemented a computer vision solution using YOLO architecture and OpenCV for real-time object detection in images and video streams.
- **NLP-based Resume Parser**: Created a machine learning model to extract and categorize information from resumes, improving the efficiency of HR processes.

CERTIFICATIONS AND ACHIEVEMENTS

- **Safety - High Risk Standard**: JSW Infrastructure, Jun 2024
- **Python Mega Course: Learn Python in 60 Days, Build 20 Apps**: Udemy, Feb 2024
- **Python And Django Framework For Beginners Complete Course**: Udemy, Jan 2024
- **The Complete Microsoft Excel Pivot Tables and Pivot Charts**: Udemy, Dec 2023
- **Real World 5+ Deep Learning Projects Complete Course**: Udemy, Nov 2023
- **Campus to Corporate Journey**: JSW Infrastructure, Oct 2023
- **Grand Finalist, Smart India Hackathon**: Udemy, Nov 2023
- **Details**: *Certifications-Linkedin*

OPEN SOURCE CONTRIBUTIONS

- **PyGitLoc**: A Python package to get lines of code from a GitHub repository. *GitHub PyPI*
- **Real-Time People Count**: Real Time Video Analytics Using Yolo-v4-tiny and OpenCV MIL tracker. *GitHub*
- **ATS-Checker**: Free Resume ATS score check *GitHub*
- **Object Detection**: Image and Real-time video object detection. *GitHub*
- **Train GPT-2**: Train GPT-2 On your own data *GitHub*
- **Image Colorization**: Image restoration utility using Caffe DNN. *GitHub*