Shruti Agarwal

✉ shruagarwal01@gmail.com 📱 +91 9372137842 GitHub in LinkedIn X Twitter

💼 Portfolio ◆ Hashnode Blog

- -

WORK EXPERIENCE

Omdena Inc.
Junior Machine Learning Engineer | Task Lead
Internship
April 2023 – July 2023

- Led the "*Model Building and Deployment*" task for the Omdena's Philippines project addressing real challenges faced by farmers using Machine Learning.
- Developed a robust deep learning classifier with around **91% accuracy** to identify prevalent rice diseases in the Philippines.
- Contributed to the Streamlit app that embeds all models and deployed it using HuggingFace Spaces, broadening accessibility and contributing to open-source knowledge sharing.
- Engaged in collaborative discussions, code reviews, and iterative development to enhance project quality and impact.

Tools Used: Python, Pandas, NumPy, OpenCV, Pillow, TensorFlow, Keras, Streamlit, Git, GitHub, HuggingFace Spaces

PROJECTS

The Air We Breathe

Built a Streamlit app that visualizes global air pollution levels through interactive maps and charts, showcasing AQI values of various pollutants across cities.
Built using: Python, Pandas, Matplotlib, Seaborn, Plotly, Streamlit

Streamlit Custom Toggle

Created a component that loads a heart-shaped toggle switch within Streamlit apps. It is easy to install as a python package.
Built using: Python, Typescript, React, HTML, Node.js, PyPI

MindsDB

- Authored a comprehensive tutorial for MindsDB, **an open-source platform** that bridges the gap between data and AI models.
- Conducted **manual QA tests**, evaluating the compatibility and performance of MindsDB's data connections with diverse external sources such as Planetscale, D0lt, and more.
- Actively communicated with the development team, sharing QA insights to enhance integration capabilities and optimize user experience.

Used: Python, SQL, JSON, MindsDB Cloud Editor, GitHub

CERTIFICATIONS

Intro to NLP for AI
Getting Started with Data Analytics on AWS

SKILLS

- Programming Languages & Databases
Python, JavaScript, TypeScript, MongoDB, MySQL, SQLite

- Web Development Tools
HTML5, CSS3, Bootstrap, React, FastAPI, Node.js

- Machine Learning Frameworks
Pandas, NumPy, OpenCV, Pillow, Scikit-learn, Tensorflow, Keras, Matplotlib, Seaborn, Plotly

- Version Control & Cloud Platforms
Git, GitHub, GitHub Actions (CI/CD), AWS, GCP (basics)

- Other Tools
Linux, Streamlit, Postman, LangChain, OpenAI API, PyPI, REST APIs, pre-commit, CircleCI, pytest, HuggingFace Spaces, Netlify, Replit, Canva, Notion

- Industry Knowledge
Data Collection, Data Exploration, Machine Learning, Deep Learning, Computer Vision, Collaborative Coding, Technical Writing

ACHIEVEMENTS

- One of the top active performers for the 30 Days of Streamlit Challenge held in the month of April 2022.
- Member of Streamlit Creators group, an open-source community.
- Engaging with the Streamlit community to help them learn about the framework through writing blogs, building apps, collaborating, solving issues on the forum, etc.
- Written a community blog post for Streamlit Blog.

EDUCATION

Smt. P.N. Doshi Women's College
Bachelor of Computer Applications
2018-2020
C.G.P.A.: 8.71

Ramanand Arya D A V College
Commerce (Maths and IT)
2016-2018
H.S.C: 81.38%

B. E. S Menon English High School
2010-2016
S.S.C: 81.00%