Shivani Khandelwal

Data Scientist

✉ shivanikhandelwal487@gmail.com
📱 +44 7733 586879
in linkedin.com/in/shivanikhandelwal2001
⌗ github.com/shivani-2001

EDUCATION

Coventry University   Coventry, UK

MRes in Computational Science and Artificial Intelligence [On a Fully Funded Scholarship]   Sep. 2023 - Present

Research Focus: Curbing Poverty through Sustainable Energy: Smart Heating and Cooling Systems
By building an optimal controller using Reinforcement Learning

Supervisors: Dr. James Brusey, Dr. Saurav Sthapit

ITM University   Gwalior, India

Bachelor of Technology in Computer Science [Spec. in DS & ML]; **GPA: 8.32/10.0**   Aug. 2018 - May 2022

Relevant Courses: Python, Data Science, Machine Learning, Deep Learning, Data Structures & Algorithms,
Engineering Mathematics (I, II, III, IV), Operating System, DBMS, Artificial Intelligence

EXPERIENCE

Verloop.io   Oct. 2022 - Sep. 2023

Implementation Engineer   *Python, Flask, API's, GitHub, GCP, NLP*

- Developed and managed interactive chatbots using Python and Flask for various clients.
- Collaborated with clients to understand their needs and integrated their business APIs into chatbots, enhancing functionality and user interaction.
- Analyzed chat interactions to improve chatbot performance using natural language processing techniques and tools from GCP.

ApplicateAI   Feb. 2022 - Sep. 2022

Data Scientist   *Python, MySQL, Git, Jenkins, AWS-S3, DS, ML, Statistical Approaches*

- **Sales Forecast:** Built Personalized Recommendation Systems for Sales Suggestions.
- Implemented a map feature to recommend similar outlets, involving data validation and feature engineering on sales datasets.
- Used tools like Git for managing changes and Jenkins for automating the update process, ensuring efficient deployment of sales forecasting models.

SynergyLabs Technology Pvt. Ltd   Aug. 2021 - Oct. 2021

Deep Learning Intern   *Python, Deep Learning, Computer Vision, CVAT*

- Worked on Abandoned Object Detection using OpenCV and Python.
- Smoke and Fog Classification on Day and Night time with Synthetic Images Dataset covering Weather Cases with 98% accuracy.
- Involved in data scraping, creating datasets, and annotating data for various projects.

Freelancing   May 2023 - Sep. 2023

Machine Learning Tutor   *Python, Data Science, Machine Learning*

- Assisting students and professionals seeking a transition to data science and machine learning by clearing their data science and machine learning doubts and concepts. Helping them in building their projects.

Fiverr   Feb. 2021 - Mar. 2022

Part-Time Freelancer   *Python, DS, ML, Web Scrapping, CV*

- Contributed to various projects in Python, Data Science, and Machine Learning.
- Visit my profile to view client testimonials and feedback - Profile

iNeuron.ai   Sep. 2021 - Oct. 2021

Machine Learning Intern   *Python, Machine Learning, Git, Flask*

- Built end-to-end Web app using Flask for Bike-sharing project with an optimized model with a decent R2-Score of 91%.
- Gained experience in modular coding, logging, deployment, and teamwork.

Innomatics Research labs   Apr. 2021 - Jun. 2021
Data Science Intern   *Python, DS, ML, Statistics, Probability, Latex*

- Developed a Music Recommendation System by implementing various machine learning methods on the Million Song Dataset.
- Applied statistics and probability concepts within the machine learning framework.
- Completed various Python and Data Science tasks.

Proxmaq   Nov. 2020 - May 2021
Open-Source Developer   *Python, ML, CV, Deep Learning*

- Developed a Currency Detection system utilizing Deep Learning techniques.
- Implemented Image to Text Conversion using various algorithms.

ThataScience   Dec. 2020 - Feb 2021
Python Developer Intern   *Python*

- Created Python tutorials covering topics like Unit Testing and Tuples.
- Developed GUI-based applications for Employee and Loan Management Systems.
- Analyzed tweet sentiments using the SentimentIntensityAnalyzer.

PROJECTS

- **Object Detection:** Object detection web framework using Deep Learning and Django.
- **Video Summarization:** Summarize video based on human activity using Deep Learning model and OpenCV.
- **Case Studies:** Data analysis and visualization on PUBG Dataset and Covid-19 Dataset using Seaborn, plotly.
- **Image Captioning:** Image caption generator using encoder-decoder paradigm (CNN and RNN) on Flickr-8k Dataset.
- **Image to Text:** Image to Text extractor app using Mlkit and Tensorflow lite.
- **Noise Reduction:** Underwater image noise correction using GAN model.
- **APIs:** APIs creation using flask.

SKILLS

Languages:	Python, Java, C
Databases:	SQL, SQLite, Notion DB
Data Science:	Numpy, Pandas, Matplotlib, Seaborn, Sklearn, Statistics, Probability
Machine Learning:	Regression, Classification, Clustering, Reinforcement Learning, Time-Series Data
Deep Learning:	ANN, CNN, RNN, GAN
Python Packages:	Cv2, Nltk, Speech recognition, Tkinter, Pygame, Pytesseract, Face recognition, Bs4, Selenium

ACHIEVEMENTS

- Recipient of the British Council Women in STEM Scholarship for a fully-funded Master by Research Program at Coventry University, UK.
- Recipient of the Chancellor Scholarship by ITM University, India.

EXTRACURRICULAR ACTIVITIES

- NCC Cadet and participation in NSS Activities.
- Participation in various college events as a volunteer, showcasing strong teamwork skills.
- Attended Traffic Infra Tech Exhibition (AI-Based Traffic Solutions) as a Marketing Executive in New Delhi.