SHWETA MISHRA

Boston, MA · +1-857-260-9071 · mishra.b.shw@gmail.com · linkedin.com/in/shwm/ · github.com/MishraCo
· mishraco.github.io

PROFESSIONAL EXPERIENCE

Northeastern University, Boston, MA	Sep 2023 – Dec 2023

Graduate Teaching Assistant | Advanced Python Programming
- Guided 100+ students in advanced Python programming, teaching data visualization, coding best practices, and dashboard development while troubleshooting errors

Tenneco, Northville, MI	May 2023 – Sep 2023

Global Supply Chain Data Scientist (Planning Team)
- Implemented a real-time Power BI dashboard to analyze buyer behavior, resolving 100% of untracked losses by monitoring customer return credits and alerting sales reps from unstructured data sources
- Consolidated annual savings of $200k by creating a ROI model for freight fees & analyzing fee changes

Auxi.AI, Boston, MA	Jan 2023 – May 2023

Machine Learning Engineer
- Designed a Flask app integrating Python-pptx and OpenAI GPT-3 API for AI-generated PPTs, achieving a 4.2/5 user satisfaction rating on customer survey, deploying to cloud with Azure Functions and Docker
- Drafted an image segmentation add-in for Auxi.AI using CNN and Transformer techniques, converting 10+ sketches to PowerPoint slides, enhancing workflow efficiency

Accenture, Bengaluru, India	May 2018 – Sep 2021

Senior Software Engineer – Financial Accounting Team
- Created 30+ reports and dashboards with Oracle dB2, SQL, and Power BI, improving decision-making and data integrity, while following agile development method reducing reporting turnaround by 27%
- Coached 4 interns and launched a knowledge session for new joiners in the Bengaluru office

PROJECTS

Multimodal Forecasting of Solar Irradiance	Oct 2023 – Dec 2023

Academic Project | Time-Series Forecasting, Transfer Learning
- Engineered a multimodal forecast system with Prophet and Inception V4 for meteorological data, achieving a 6.6% MAPE, evaluated using RMSE and R2 metrics

Visual Question & Answering (VQA)	Jun 2023 – Aug 2023

Personal Project | Transformer, Image Content Query
- Developed a Chrome extension featuring a Visual Question Answering model, utilizing a 4-stage neural network with CNN image encoder, textual encoder, and LSTM decoder, achieving a 0.66 WUPS score

News Text Summarization	Nov 2022 – Dec 2022

Academic Project | NLP, BART, BLEU, ROUGE Score
- Revolutionized news text summarization using extractive and abstractive methods, achieving a BLEU score of 0.85 with GloVe, seq2seq, and T5 model

Hack Harvard	Oct 2022 – Oct 2022

Personal Project | Assembly AI, Streamlit | Major League Hacking (MLH)
- Led a 36-hour Hackathon to develop a Streamlit app, ZMatter, to provide insights (Text, Summary, and Gist) from educational content of TikTok videos using AssemblyAI API

EDUCATION

Northeastern University, Boston, MA	Jan 2022 – Dec 2023

Master of Science in Data Science

KIIT University, Bhubaneswar, India	Jul 2014 – Apr 2018

B. Tech in Electronics & Telecommunication

SKILLS

Tools and Languages: Python, SQL, C++, Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, Matplotlib, Plotly, Seaborn, OpenCV, Git, Oracle-HCM, PowerBI, Tableau, MySQL, Apache Spark, Azure ML Studio, AWS SageMaker, Databricks, Redshift, MS Excel, Docker

Machine Learning: Plotly Dashboard, Statistical Analysis, Hypothesis Testing, Predictive Modelling, XGBoost, Decision Tree, Natural Language Processing, Computer Vision, Recommendation Systems

Community Member: Rewriting The Code (RTC), Women Who Code, The Data Club, GHC '23, ODSC