Aniket Wattamwar

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EDUCATION

California State University, Fullerton — Fullerton, CA
Masters in Computer Science - 3.68/4 — *Aug. 2022 – May 2024*
Coursework: Artificial Neural Networks, Web-backend Engineering, Software Design and Architecture

Vishwakarma Institute of Technology, Pune — Pune, IN
Bachelor's in Electronics Engineering - 9.2/10 — *Aug. 2016 – Oct 2020*

TECHNICAL SKILLS

Programming Languages: Python, C/C++, SQL (MySQL), AWS RDS, AWS DynamoDB, HTML/CSS, Bootstrap
Machine Learning: pandas, NumPy, Matplotlib, seaborn, scikit-learn, tensorflow, keras, OpenCV, AWS ML services
Frameworks: Flask, Django, WordPress, Amazon Web Services(AWS), Linux
Developer Tools: Git, GitHub, Postman, Instabase, VSCode, AppDynamics, Splunk, Jenkins, SAS Viya
Personal YouTube Channel - Hackershrine: Content on Python, AWS, Machine Learning, Full Stack development

EXPERIENCE

Software Developer Intern — June 2023 – Present
Lumen Technologies — *Denver, CO*
- Delivered 2 features in the Order Management tool using Python, Kubernetes, Javascript with MongoDB
- Working on developing an Automated Customer Ticketing System using Unsupervised Machine Learning

Research Assistant at CEDDI Lab — Januray 2023 – Present
California State University, Fullerton — *Fullerton, CA*
- Developing a real-time dashboard for tracking the Lassa Fever in 5 regions of West Africa
- Created dashboard using PowerBI, Python, Streamlit with data visualization libraries like seaborn, matplotlib

Software Engineer — Sept 2020 – Jul 2022
HSBC Technology, India — *Pune, IN*
- Deployed XGBoost scikit-learn Machine Learning models on 100+ SAS servers
- Integrated ML/H2O models with SAS Viya on 25+ environments
- Designed an automated revival solution to reduce production downtime
- Accomplished extracting data using OCR algorithms and performing Document Classification using Instabase

PROJECTS

Image Generation using GANs | *Python, deep learning PyTorch, GANs, Neural Networks* — Jan 2023 – Feb 2023
- Crafted a 10-layer Generator and Discriminator Neural Network to achieve an accuracy of 90%
- Performed Stuctural Similarity Index of 0.95
- Calculated variety of Loss Functions like BCE, MSE loss and reduced 50% loss

Image Captioning using CNN and RNN | *Python, Tensorflow/Keras* — Jun 2022 – Sept 2022
- Trained a deep learning model with CNN and RNN with a validation accuracy of 88%
- Implemented a web-based demo of the image captioning system, allowing users to upload their images and receive automatic captions generated by the model in real-time.
- Employed Beam Search to improve the quality of the generated Captions

Question Answering using BERT | *Python, NLP, BERT* — Jan 2022 – Feb 2022
- Developed a BERT base Question answering model and achieved an F1 score of 87% on the SQuAD 2.0 dataset
- Performed Transfer learning to reduce training time by 50% and improved model performance by 8%
- Evaluated the performance of the model to achieve a precision of 90% and recall of 85%

AWARDS AND RECOGNITION

- Attended and successfully completed 2 Hackathons at UCLA LAHacks'23 and TreeHacks Stanford
- Selected for AWS Community Builder 2023-24 program for creating valuable content on AWS