Contact

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Top Skills

Vector Databases

Prompt Engineering

Algorithms

Certifications

Dean's Honor List

Supervised Machine Learning:
Regression and Classification

Linear Regression with NumPy and
Python

AI For Everyone

Exploratory Data Analysis with
Seaborn

Ahmad Azhar

1+ year of experience | Producing AI-driven quality solution and
quality-driven REST API's | AI Engineer at AgileLoop | Apprentice for
Python and AI at PureLogics
Lahore, Punjab, Pakistan

Summary

Since my bachelors, I always had this obsession with producing
a clean and maintainable code, because I am a firm believer of
the phrase "there is always room for improvement" - clean and
maintainable code meant it can be seamlessly modified later . During
my bachelors, I used different data-structures for optimisation of
code I have written in my earlier semester i.e using vectors instead
of static array . This abled me to improve time-complexity and
readability of previous codes. By the time I graduated, I had strong
understanding of data-structure and algorithms which enabled me
to land my first internship. During my internships, I learned how to
integrate AI in my work, helping me to produce a more quality driven
code, which made maintenance later even more seamless. Over the
year, I have mastered the use of AI which enables me to produce
a quality driven code in a short amount of time, these fundamental
attributes of mine helped me land a full-time job.

Skills:
Feature Engineering, Data pre-processing, Image pre-processing,
Fine-tuning, Hyper-parameter tuning, EDA, Supervised-learning,
LLM, TensorFlow, PyTorch,Flask, Streamlit, OOP, Data-structure,
SQL, Laravel, Bootstrap, Java, C++, Communication.

Experience

Agile Loop
AI Engineer
December 2023 - Present (5 months)

• Researched about DeBERTA model then fine-tuned it to achieve outstanding
results.

• Implemented Exemplars which turned out to be crucial in sky-rocketing the
market value of the product.

• Read various research papers and help finalize the approach, which will be heart of the product planning to be released.

• Debugged and resolved the problem that was faced when integrating third person API with Exemplars.

PureLogics
Python and AI Engineer
June 2023 - September 2023 (4 months)

• Transformed a binary class diabetes retinopathy classifier to a multi-class retinopathy classifier using cutting edge approach such as fine-tuning, image pre- processing and performance metric.

• Improved the accuracy of a model from 81% to a whopping 91% by improving the quality of data by using various data cleaning techniques, multivariate and multivariate exploratory data analysis, normalisation techniques and feature engineering.

• Organized, guided and assigned task to each group member's capability and resulted in 20% improvement in the group's performance.

• Relevant Personal Project -> CodeBasics is a website where students ask a lot of repetitive questions before registering for their respective courses to counteract the problem of repetitive questions, CodeBasic employees prepared a document file from which they frequently copy-pasted to answer the repetitive questions. I used that document file to develop a chat-bot to free the CodeBasic employees from the hassle of copy-pasting the answers.

Innovative Tech Dev
Web Developer
January 2023 - March 2023 (3 months)

• Developed a completely new module from scratch: From modifying database to creating REST API's.

• Integrated third party API's such as Twitter, Facebook and TikTok.

• Introduced new functionalities with JWT verification.

• Maintained web application as per client's instruction.

Xen Corps
Laravel Developer
August 2022 - November 2022 (4 months)
Lahore, Punjab, Pakistan

• Optimized user experience by using cutting-edge technique such as AJAX, DataTables.

• Enhanced the existing module as per client's requirements.

• Introduced email notification feature.

• Maintained both mobile and web application as per client's instruction.

• One to one meeting with the client.

• Hosted website on live-server

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Education

Beaconhouse National University (BNU)

Bachelor of Science in Computer Science. · (December 2018 - December 2022)