

MUHAMMAD AHSAN

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Education

BAHAUDDIN ZAKARIYA UNIVERSITY, MULTAN (3.52) <i>Bachelor of Engineering – Computer</i>	Multan, Pakistan Sep 2018 - Oct 2022
UDACITY, AWS AI & ML Scholarship (Adv) <i>Nano Degree – AWS Machine Learning Engineer</i>	May 2023 - Oct 2023
UDACITY, AWS AI & ML Scholarship '22 (Winter Cohort) <i>Nano Degree – AI Programming with Python</i>	Nov 2022 - Feb 2023

Professional Experience

GODDARD DISCOVERY Goddard-Discovery is an incubating startup focused on leveraging Machine Learning tools and techniques to optimize R&D work. AI Intern: Three months <ul style="list-style-type: none">– <i>Researched: Researched and conceptualized the developing of Natural Language Processing in Literature-Based Discovery with core Artificial Intelligence team.</i>– <i>Communication: Reached out to more than 10 local teams for collaboration in insourcing and outsourcing of resources related to AI Projects.</i>	Feb 2022 – April 2022
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Projects

DETECTION PROTOTYPE OF ANTI PAKISTAN TEXT USING MACHINE LEARNING Machine Learning base prototype for language processing to flag the inappropriate tweets against Pakistan. <ul style="list-style-type: none">– <i>Natural Language Processing: Collected about 2000 samples of tweets specific for Pakistan and done NLP to clean, annotate and vectorization of samples to feed into model.</i>	Jan 2022 - August 2022
Oracle Database Automation Automation of Oracle database with OpenAI and Python to generate the query and fetch relevant results from database. <ul style="list-style-type: none">– <i>LLM: Utilizing the GPT-3.5-Turbo OpenAI model without fine-tuning, an optimized prompt was designed to generate precise queries from natural language.</i>	Feb 2023 - April 2023

Hackathons

Xylem Water Xylem is a global water technology provider helping our customers solve the world's toughest water challenges across utility, industrial, commercial, and residential markets worldwide. Xylem Innovation Challenge 2023 - Grand Prize Winner <ul style="list-style-type: none">– <i>Data Science and GIS: Our team selected Track 3 in the university category, focusing on Data Science and GIS. We conducted a thorough analysis of plastic dumping in ocean dumpsites and developed a tailored solution based on our data-driven findings and available local resources.</i>	Mar 2023 - June 2023
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Honors and Courses

- **Regional Ambassador** in UN World Innovation Day Hack 2022
- **1st prize** in National Idea Bank 2022 – City Level

ONLINE COURSES

- *ChatGPT Prompt Engineering for Developers – Deeplearning.ai*
- *LangChain for LLM Application Development – Deeplearning.ai*
- *LEAD1x: Exercising Leadership: Foundational Principles - edX – HarvardX*