Mudassir Fayaz

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HONORS & ACHIEVEMENTS

- **Received** the HEC Pakistan "Higher Achiever Award", by the Prime Minister and Chief of Army Staff, as one of 52 high achievers Nationwide [Certificate]
- **Organized** a 3-day WordSprint Hackathon and evaluated the submissions of teams as a Judge [link]
- Section Leader Mentor at Stanford Online's CiP 2024, I delivered 70 plus 1:1 personalized sessions to students worldwide [Certificate]
- **Won** the Harvard CS50x Puzzle Day by solving 9 out of 9 puzzles in 2024 [Certificate]
- **Recipient** of "Prime Minister Laptop" in undergraduate
- **Won** "Need-based Scholarship" and "Merit-based Scholarship" in undergraduate
- **Awarded** SWAG by Clarifai AI Company for exemplary performance at LLaMA 2 Hackathon
- **Achieved** First Place Victory in the WebGPU hackathon by leading an international team to success
- **Received** Vice Chancellor's Recognition for Securing 2nd Place in English Debate on Kashmir Solidarity Day
- **Secured** 3rd place and received a cash prize in an Islamic History Competition
- **Secured** Drawing Tablets Prize in All In Open Source Hackathon Hosted by MLH
- **Solved** 200+ DSA problems on LeetCode. LeetCode profile
- **Received** 2-years Certificate of Excellence for volunteer work at TBH, contributing to community blood donation
- Participation badge for World Innovation Day Hackathon 2023
- **Participated** in 20+ International Events/Hackathons
- Successfully completed Ielts Exam with overall 6.5 bands [Certificate]

EDUCATION

Khushal Khan Khattak University Karak Pakistan

B.Sc.: Computer Science   Sep 20, Jul 24
CGPA: 3.61/4.0

Major Courses: Data Structures and Algorithms, Programming Fundamentals, Object-Oriented Programming, Computer Architecture, Computer Networking, Web Development, Artificial Intelligence, Databases, Mathematics (Linear Algebra, Derivatives, and Integration), Statistics and Probabilities.

INDUSTRY EXPERIENCE

AsasTech [Saudi Arabia]   May 24, Present
Role: AI/ML Engineer (Remote)

- Developing a finance-related project involving the adaptation of large language models (LLMs) such as GinGTP, to specific tasks, including fine-tuning, integration, API creation, and deployment on Hugging Face.
- Actively participating in weekly meetings with the international team at Asastech to discuss progress, troubleshoot issues, and collaborate on solutions.

Mobivone   May 22, Oct 23
Role: Web Developer (Internship)

- Acquired proficiency in a wide array of technologies including HTML, CSS, Bootstrap, Vue.js, Vuetify, PHP, SQL, MongoDB, Electron.js, and Chart.js, harnessing them to build robust and user-friendly solutions.
- Crafted custom web solutions, solving organizational challenges with creativity and precision, while boosting efficiency and productivity.
- Mentored four junior developers in programming languages while embracing collaboration with senior developers, refining communication skills, and fostering a dynamic atmosphere of cooperation and innovation.

INTERNATIONAL EVENTS / COMPETITIONS

WebGPU Hackathon - (24 hours)   Aug 10, 2023
Role: Leader and winner

- Led and guided an international team of programmers to create a winning prototype
- Collaborated closely with team members to ensure effective communication and coordination
- Developed application by making complicated data easy to understand through visuals, using WEBGPU

All In Open Source Hackathon (24 hours)   Mar 9, 2024
Role: Frontend developer and winner

- Team won the MLH hackathon by creating a best design and secured the Drawing Tablet as a prize
- Showed great teamwork, communication, and fun working together
- Developed the LearnLabs, using modern tools like React and Firebase, plus AI tech from OpenAI, making it a complete education platform

Chatbot feature on the Omdena website (2 Months)   Jul - Sep 2023
Role: Data Collection

- Teamed up with 40 top-notch developers and experts, which fueled my deep passion for NLP and LLM

- Developed and implemented a chatbot feature on the Omdena website, enhancing user support and engagement
- Utilized technologies such as LucidChart, Google Sheets, Python (RASA 3.x), Streamlit, Hugging Face, GitHub, Open AI LLM, and FAISS to train the chatbot

Llama 2 Hackathon with Clarifai (3 Days)   Aug 25-28, 2023
Role: Leader and Frontend Developer

- Led a global team of six developers in creating a supportive environment, collectively deciding to address a real-life problem
- Created a user-friendly solution by allowing input of nutrition labels to provide clear insights into the product's impact on health throughout the hackathon

Fine-tuning-24-hours-challenge (24 Hours)   Sep 15, 2023
Role: Frontend Developer

- Utilized Llama 2 to train custom datasets and create a personalized recommendation system for online learning coaching platforms
- Revolutionized online platforms by enabling individuals to provide feedback and ask questions in multiple languages, receiving language-specific responses

Seamless M4t-24-hours-hackathon (24 Hours)   Sep 08, 2023
Role: Frontend Developer

- Utilized SeamlessM4T machine translation API to facilitate seamless conversation in users' native languages.
- Created a user-friendly interface enabling swift translation of spoken or typed messages into desired target languages, emphasizing precision, advanced technologies, and elegant design to enhance cross-cultural communication and redefine global connections.

3D AI Models Hackathon (60 Hours)   Aug 11-14, 2023
Role: Frontend Developer

- In this Hackathon, I worked on the front-end development of a groundbreaking 3D meditation platform.
- By integrating AI, our platform adjusted sessions to meet user preferences and emotional needs.

TruEra Challenge: Build LLM Applications (8 Days)   Dec 1-8, 2023
Role: Frontend Developer

- Created user-friendly chatbot for accessing new life-extending treatments and research.
- Designed easy-to-use features for finding scientific articles on health and longevity.
- Contributed to a project helping people live longer, healthier lives by connecting them with cutting-edge therapies.

AI Oasis Leap 24 Hackathon (72 Hours)   Mar 4-7, 2024
Role: Frontend Developer

- Collaborated with a global team of six developers, including two onsite from the Arab region.
- Fine-tuned a BERT model using AWS Sagemaker on an Arab-specific city dataset for the Virtual Urban Explorer (VUE) platform.
- Enhanced VUE's AI capabilities, providing a more immersive and informative virtual city exploration experience.

SKILLS

Programming Languages:	Python (3), Java, C++, PHP, JS, AppScript, and SQL
Frontend:	Streamlit, HTML5, CSS3, Bootstrap5, Vue, Vuetify, Electron, Apex_charts, and ChartJS
Backend and APIs:	Flask and Rest APIs
Version Control:	Git, GitHub
Databases:	MySQL, SQLite, and MongoDB
IDE's:	MS VS Code and Visual Studio, WebStorm, PyCharm, Jupyter Notebook, and Google Colab

VOLUNTEER WORK

Stanford Online: Code In Place   Remote-California, USA
Section Leader Mentor   April - July 2024

- Conduct 70 plus 1:1 personalized sessions with students worldwide, guiding them through the intricacies of Python via the Karel robot interface [link]
- Lead CS106A, one of Stanford University's flagship courses, attracting nearly 1,600 eager learners annually [Certificate]

Trainer at **ICodeGuru**   Remote -Silicon Valley, USA March 2023 – Present

- Taught the Python-for-Absolute-Beginners course at Icodeguru to underprivileged students in Pakistan [link]
- Conducting weekly workshops especially to help underprivileged students to Participate in hackathons [link]

The Blood Heroes   Feb 2022 – Present

- Held key leadership roles: Financial Head, Record Head, and Tehsil Co-Head.
- Contributed to the organization's mission of providing timely assistance to patients in need.
- Spearheaded urgent blood donor searches nationwide, saving lives in critical situations [Certificate]

HOBBIES / INTERESTS

YouTube: As a traveler and programmer, I record and share YouTube videos of my adventures and coding challenges of LeetCode
Swimming: swimming is pure joy, where each stroke propels me forward with a sense of freedom and adventure
Reading and Creative writing: Reading and writing are my passions, and I share my thoughts through blogs and articles on LinkedIn and Medium.