Muhammad Zubair Zafar

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ACHIEVEMENTS

- Software Engineering intern at the Digital Technology Innovation Cargo Team at Etihad Aviation Group Abu Dhabi. (See here)
- Achieved 6.5 overall Bands in IELTS
- Taught international students as a Section leader at Code In Place 2023, a course by Stanford University. (See here)
- Participated in Google's Farewell Competition 2023 and attained 4th Position in Pakistan and 1622nd internationally. (See here)
- Lead a Top performing team in CS50x Harvard Puzzle 2023 (See here)
- Achieved Transatlantic AI Hackathon 2023 acceptance, developed real-time safety equipment detection using OAK-D camera with AI system (See here)
- Secured 1st position in 1AHACK4SUSTAINABILITY-Hackathon by Amadeus, winning "Etihad Green Development Challenge" for Etihad Airways, with a prize of 1-month internship and business class tickets to Abu Dhabi. (See here)
- Participated in AI21 HACKATHON with international team members, our team developed Codic, an intuitive website that enables users to generate Python or JavaScript code using plain language input
- Successfully completed the Advent of Code challenge in December 2022 and 2023, demonstrating strong problem-solving and coding skills. (See here)
- Participated in OPENAI HACKATHON with international team members (See here)

EDUCATION

Government College University Faisalabad   Sahiwal, Pakistan
Bachelor of Computer Science (CGPA: 3.32)   Oct 2019 - July 2023

SKILLS

Technologies:	ML Libraries (NumPy, Pandas, Tensor Flow)
Web & Databases:	HTML5, CSS3, JavaScript, MySQL, SQL Server, Mongo DB, SQLite
Open Source:	Git, Docker, Postman
IDEs:	Visual Studio Code, Jupyter Notebook
Languages:	JavaScript, Python, C, Dart, PHP
Frameworks:	ReactJS, Redux, Node JS, Express JS, Bootstrap, Material UI, React Native, Flask, Angular
Competitive:	Solved coding problems on Leetcode. (See here)

WORK EXPERIENCE

Etihad Airways   On Site- Abu Dhabi UAE
Software Engineering intern at Digital Technology and Innovation Department   Sept 2023
- Developed a Smart CPM Parser that mitigated traditional parsers and improved cargo performance by 30 percent.
- Developed an app for digital card data collection using Microsoft Powertools.
- Developed real-time travel requirements checking application using Timatic APi and Generative AI
- Created a Code-to-Flow generator using Generative AI and Python rendering library.

CarChaze   Remote - Lahore Pakistan
MERN Stack Developer   Oct 2022 – Jan 2023
- Develop and maintain web applications using the MERN stack (MongoDB, Express.js, React.js, Node.js).
- Design and implement user interfaces using React.js and related libraries.
- Build server-side logic and APIs using Node.js and Express.js.
- Write clean, efficient, and scalable code following best practices and industry standards.
- Deploy applications to production environments and manage continuous integration and delivery processes.

VOLUNTEER EXPERIENCE

Code in Place Stanford University   Remote - California USA
Section Leader   April 2023 – June 2023

- Taught international students Python from scratch using Karel the Robot Stanford.
- Helped other mentors to discuss new teaching methodologies.
- Created a peer-mentorship program to foster a supportive learning community.
- Encouraged Students to explore their creativity and develop problem-solving skills by actively promoting idea-sharing and implementation.

ICodeGuru   Remote - Silicon Valley USA
Senior Moderator - Lead Instructor   August 2023 – Present
- Taught IELTS to underprivileged students of Pakistan. (See here)
- Instructed Python and Data Structures and Algorithms by solving leetcode problems to enhance problem-solving skills.
- Responsible for arranging and moderating weekly tech webinars with Silicon Valley professional Engineers.
- Guided Students to participate in international Hackathons and Coding competitions.

lablab.ai   Remote - Stockholm Country, Sweden
Business and Tech Mentor   Feb 2023 –Present
- Assisted Participants in team formation. facilitating collaboration and creating diverse and effective teams for hackathons.
- Provided technical support to teams for implementing API's in different hackathons.
- Analyze and finalize finalists for each hackathon by reviewing presentations, projects, and project code, ensuring fair evaluation and recognition of outstanding work.

HACKATHON PROJECTS

Smart Industry Hackathon - By Transatlantic AI Hackathon (Github)   April 2023
Smart Saftey Management System
Used: Python, OAK-D, Yolo8, Flask
- Developed a smart application using #yolo8 and #Numpy Pandas along with Flask.
- Created an Artificial Intelligence system that utilizes an OAK-D camera for detecting safety equipment in employees.
- Implemented real-time profile management and updates for employees, notifying higher authorities instantly.
- Incorporated an email notification system to promptly alert higher authorities in case of safety issues.
- Planned future enhancements to include an attendance system based on employee identity numbers or face detection.

1AHACK4SUSTAINABILITY-Hackathon By Amadeus(Presentation)   Oct 2022
Smart CPM Parser
Used: HTML, CSS, JavaScript, Bootstrap, Python, Flask, RegEx
- Won First Place in Etihad Green Development - Etihad Airways (1-Month Internship + Business class Tickets at Etihad AviationGroup in Abu Dhabi)
- Participated as a team in this hackathon and worked as a Full-stack developer.
- Implemented "Grammarly" for cargo messages, a smart auto-correcting parser that leverages cargo message grammar and understands parsed data.
- Mitigated the need for manual data corrections and accelerated cargo message processing.

OpenAI Hackathon – LabLab.ai (Github)   Dec 2023
Codic
Used: Python, Whisper API, Open AI API
- leveraging OpenAI Whisper, GPT-3, and Codex APIs to create a voice-activated image generation app.
- Utilized React Native and Django to develop a user-friendly interface, enabling users to generate images
- based on spoken descriptions. Gained hands-on experience with cutting-edge AI technology and honed skills in collaborative software development.

OTHER ACTIVITIES

- AI21 Hackathon 2023   Certificate
- Advent of Code 2022/2023   GitHub
- Winner in LinkedIn Premium Voucher   Link
- Microsoft Learn Student Ambassador Workshop   Certificate