Inam ul Rehman

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ACHIEVEMENTS

- Project Teapon shortlisted among the top 5 projects in Agile Loop Hackathon   Project link

- EquiDonate App selected among top 6 Finalist teams developed in Next Gen AI Hackathon with internationl team of 6 members   Project link

- Trainer at   iCodeGuru , Pak Angels

- 2x Section Leader at Stanford University's Code In Place program 2024 Certificate and 2025(Present).

- Solved over 200+ Data Structures and Algorithms problems on leetcode.

- Qualified in Google Code Jam '23 and Meta Hacker Cup '23; participated in Advent of Code '24 and other international coding competitions; winner of the Harvard CS50x Puzzle Competition '24.

- Finalist and got Silvar award at World Innovation Day Hackathon 2023 with a team of 6 members internationally Project link

TECHNICAL SKILLS

Languages:C, C++, Python, SQL
Frontend: HTML5, CSS3, Bootstrap, No-code AI Platforms
Backend: Flask, Node-JS
Version Control: Git, Github
APIs: Rest-APIs
Databases: MySQL, MongoDB, Oracle
AI: Generative AI, RAG, AI Agents
IoT: ESP32, ESP8266, Arduino, MQTT, HTTP

EDUCATION

The University of Agriculture, Faisalabad   Sep 2019 – Jun 2023
CGPA: 3.27 / 4.00

- Bachelor of Science in Information Technology
- Relevant Coursework: Data Structures and Algorithms, Programming Fundamentals, Object-Oriented Programming, Web Development, Artificial Intelligence, Databases, Visual Programming, Mathematics (Linear Algebra, Derivatives, and Integration), Statistics, Cloud Computing, Internet of Things.

HACKATHONS AND COMPETITIONS

BlockWhere | [GitHub Link]

- Project is developed with team with an aim of providing crypto education easy for begginners. It creates the post for different platforms about the given topic related to the crypto. I contributed to project as development team lead, creating backend, integrating AI agents, figuring out problems related to RAG or integration and collaborated with other team members.

Teapon | [GitHub Link]

- Developed Project in Hackathon organized by lablab.ai I contributed to the team as software engineer most particular added my contribution in backend, AI, deployment of backend, collaboration with other team members.

EcoFactor | [GitHub Link]

- Developed Project in Hackathon organized by lablab.ai and scaling it towards startup. I contributed to the team as co founder and Software Engineer.

Neue View | [GitHub Link]

- I Participated in GPT-4 Powered App Creation and Evals Hackathon organized by lablab.ai. I contributed to the ideation, Software Backend Development, building up the RAG for querying llms like openAI's GPT, setting up Pinecon vector database and using Trulens for evaluating the query responses.

Food Complaint Resolution | [GitHub Link]

- I Participated in NextGen GPT AI Hackathon organized by lablab.ai. I contributed to the ideation, development, writing the code, testing, refactoring, documenting the project on GitHub, and deploying our application on the Clarifai cloud.

Instagram Computer VisionAI | [GitHub Link]

- I Participated in Multimodal Hackathon organized by lablab.ai. In this 3-day hackathon we developed an Instagram Computer Vision an innovative app that uses GPT-4 Vision model to analyze and narrate Instagram videos

Meta Hackar Cup'23 Qualifier | [GitHub Link]

- I Participated in the Meta Hacker Cup during the practice round, attempted 4 out of 5 problems, and qualified for the first round. I secured the 2,315th out of 12,138 position globally.

EquiDonate | *Oracle APEX, Databases, Github* | *[GitHub Link]*

- Worked with a team of six individuals from the Pakistan and Columbia in an international hackathon, collaborating on the Verified Aid Project.
- This project aims to provide donations to those people who are actually needy by varifiying them using EquiDonate application.

Google Code Jam'23 Qualifier | [GitHub Link]

- I Participated in the Google Code Jam coding competition organized by Google and learned a lot from this coding competition.

OTHER PROJECTS

IoT Based Single Phase Energy Meter | *esp32, Acs712, Zmpt101B, C/C++, Python flask restx, MySql, HTML, CSS, JavaScript* | *GitHub Link*

- IoT based single phase energy meter monitors the current and voltage consumed by the load. It will help to keep record of energy consumed by the load will help in decision-making.

Controlling LED From PyQt App | *esp32, led, C/C++, Python flask restx, PyQt, MySql* | *GitHub Link*

- Now controlling a light or any appliance from an application is concerned. In this project I have controlled the led from the application. If user clicks the button to turn on light, the microcontroller turns on the light.

IoT Based Temperature and Humidity Monitoring | *esp8266, dht11, NodeJs, MySql, ExpressJS, Docker* | *GitHub Link*

- Monitors the temperature and humidity and saves the data to the database which further can be used for analysis. Also, It helps the user to visualize the data on a graph.

EXPERIENCE

Internet of Things Intern   Mar 2022 – Sep 2022

EPTeck Technologies Pvt. Ltd.   *Faisalabad, PK*

- Gained hands-on experience in embedded C programming, sensor integration, REST API development, and working with the ESP32 for CRUD operations with a MySQL database via the HTTP protocol.
- Embedded Devices, Esp32, CMake, Internet of Things (IoT), Python Flask Restx, REST APIs, Hypertext Transfer Protocol (HTTP), MQTT Protocol, MySql