AHMAD SULTAN

SOFTWARE ENGINEER AND TECH TRAINER

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ACHIEVEMENTS

- *@GitHub:* Top 29th Pakistani GitHub contributor with 600+ days of coding consistency and numerous achievements.

- *@Stanford University(Code_in_Place):* Selected as a Section Leader to teach Python to 100+ international students, then promoted to Section Leader Mentor to provide one-on-one support.

- *@SMIT:* Trained 1,000+ students in programming, DSA, web/mobile app development, and other tech skills.

- *@iCodeGuru:* Volunteering to teach and mentor underprivileged students Python, DSA (LeetCode), and Duolingo English Proficiency.[Videos Playlist]

- *@Harvard University(CS50x_PuzzleDay_Winner):* Our team won 1st place at CS50x Puzzle Day 2024 by solving 9/9 complex puzzles.

- *@leetcode:* Solved 300+ Data Structures and Algorithms problems.[Github link]

- *@lablab.ai:* Participated in multiple AI International Hackathons with a global team of six.

- *@lablab.ai:* Winner of an International Hackathon(Unhallucinate Challange).

- *Coding competitions:* Qualified for : "Google Code Jam 2023(See here) and Meta Hacker Cup 2023(See here)".

- *Working experience:* 3+ years as a Software Engineer.

TECHNICAL SKILLS

- *Programming Languages:* C, C++, Dart, Java, Python, JavaScript (ES6+), TypeScript
- *Web Dev:* HTML5, CSS3, SCSS, SASS, Bootstrap 5, Chakra UI, Ant Design, React JS(Context API, Router, State Management)
- *Mobile Dev:* React Native
- *Backend:* Firebase, Node JS, Express JS, Python, Flask, Django
- *AI:* Generative AI, LLMs, RAG (Vectara)
- *Version Control:* Git, Github
- *APIs:* Rest-APIs, GraphQL
- *Databases:* MongoDB, Firestore

EDUCATION

The University of Agriculture, Faisalabad   Sep 2020 - Jun 2024

CGPA: 3.16 / 4.00

- Bachelor of Science in Computer Science.

HACKATHONS AND COMPETITIONS

Eco Factor | *HTML, CSS, Bootstrap5, Javascript, React, Open AI Model GPT-3.5 Turbo, Python, Flask* | [Github link]
- AI chatbot streamlines sustainable, cost-effective material selection, ESG compliance for manufacturers.[LinkedIn link]
- Worked alongside six colleagues from Brazil, Latvia, India, and Pakistan on the EcoFactor Project Prototype in LEAP 2024 Hackathon. [lablab.ai submission link]
- Dev team lead: I led our development team during the project.
- I handled both front-end and backend tasks, integrating the GPT-3.5 model. [See Team Leader Review]

Neue View | *HTML, CSS, Bootstrap5, Javascript, React, Open AI Model GPT-3.5 Turbo, OCR, Trulens, Pinecone, python, Flask* | [Github link]
- AI-Powered Web-Based OCR Solution for Digitizing and Analyzing Handwritten Information.[LinkedIn link]
- The Neue View Project involved a team of six individuals from United States and Pakistan.The [lablab.ai submission link]
- Senior dev: I managed the whole development project.
- Senior dev: frontend Design, backend design(rest api's creation using python and flask), backend and AI integration.

AI Podcast Generator | *HTML, CSS, Bootstrap5, Javascript, React, Generative AI, Langchain, python* | [Github link]
- This project transforms written content into captivating, lifelike podcasts effortlessly using ElevenLabs API-powered speech synthesis.[LinkedIn link]

- Worked with a team of six individuals from the USA, Chile, France, and Pakistan in an international hackathon, collaborating on the AI Podcaster Generator Project.[lablab.ai submission link]
- Frontend dev: I designed the whole frontend and integrated with AI models.

Full Stack Real Estate Mobile App | *Javascript, ReactNative, Redux, ContextAPI, NodeJS, ExpressJS, MongoDB* | [Github link]
- Participated in a national hackathon at Saylani Mass IT Training Program in August 2022.
- Project with authentication, dashboard, property management, searching, browsing and call-to-action feature for property tansactions, powered by REST APIs using Node JS.

PERSONAL PROJECTS

Full Stack Bank WEB APP | *HTML, CSS, Bootstrap5, Javascript, React, Context API, Firebase, Firestore* | [Github link]
- Bank-App is a web application allowing users to manage accounts, perform transactions, and view transaction history conveniently.[Live link]

Full Stack E-Commerce Mobile App | *Javascript, ReactNative, Redux, ContextAPI, NodeJS, ExpressJS, MongoDB* | [Github link]
- E-commerce mobile app with user registration, product catalog, cart, wishlist, checkout, payment, order tracking, and admin dashboard.

VOLUNTEER EXPERIENCE

Trainer and Moderator   Feb 2023 – Present
iCodeGuru   *Remote*
- Offers volunteer teaching in Python and DSA at iCodeGuru, emphasizing LeetCode.[See here]
- At the moment, I am offering instruction on the Duolingo English Proficiency Test.[See here]
- Conducting weekly workshops especially to help underprivileged students to learn freely.[See here]
- See students' reviews about how I impacted their coding(DSA + LeetCode) journeys : (Student1), (Student2), (Student3) and many more.

EXPERIENCE

Tech Trainer   Dec 2022 – Present
Saylani Mass IT Training Program   *Faisalabad, PK*
- Trained 500+ students to learn programming, DSA(LeetCode), web and mobile app development, and software engineering skills. (See here how I provide training to students.)
- Programming Languages and Technologies : HTML, CSS (Bootstrap 5), JavaScript (ES6), TypeScript, DSA(LeetCode), React JS (Context API, Router, State Management), Next.js, NodeJS (ExpressJS, Authentication, API Endpoint Handling), NPM, MongoDB, Firebase, and React Native.
- Hosting Platforms: Surge, gh-pages (GitHub Pages), Netlify, Vercel, and Firebase.
- See students' reviews about how I impacted their coding(Development) journeys: (Student1), (Student2), (Student3) and many more.
- Students received training from me via these courses. See Github Repositories:
  * Full Stack Development,   Frontend Web Development,   Frontend Mobile Development
  * Backend Development,   Web Designing Bootcamp B1,   Web Designing Bootcamp B2
  * AI Chatbot

MERN Stack Developer   Sep 2022 - Mar 2023
ZW Tech   *Faisalabad, PK*
- Modified React JS front-end for UAE recruitment business website, resembling LinkedIn.
- Developed Node.js-based GraphQL APIs, enhancing data management and integration for Dashboard.
- Led the Desgning team and collaborated with product managers, business partners, and engineers to help define product requirements and roadmap .

MERN Stack Developer   May 2022 - Aug 2022
Seeraht   *Faisalabad, PK*
- Developed and maintained MERN web apps at Seeraht, prioritizing quality, scalability, and efficiency.
- Collaborated with cross-functional teams, implementing complex software features using modern development techniques.
- Experience in integrating web applications with third-party APIs and services.