Shayan Rasool

shayan6166213@gmail.com — LinkedIn — GitHub — +923035482512

Education

- **B.S. in Software Engineering, FAST-NUCES**   2022 – 2026
  - Relevant Courses: Programming Fundamental, OOP, Data Structures, AI, Software Quality, Software Construction, Software Requirement

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Projects

- **Sky-Cruze: Car Pooling System** - Flask, HTML, CSS, JS
  - Built a platform that Connect drivers and passengers for smarter, cost-effective travel solutions.

- **MathMaze: Equation Escape** - HTML, CSS, JS, PHP
  - developed an interactive, browser-based game where users solve math puzzles to progress through levels.
  - Integrate core mathematical concepts (algebra, geometry, and logic) into gameplay mechanics.
  - Encourage problem-solving skills through fun, visually appealing challenges.

- **BookQuest-System: Book Request Platform** - HTML, CSS, JS, PHP, MySql
  - Developed a BookQuest-System that enable users to register, request books by category using the Google Books API, and track request statuses, with admin and super admin dashboards for managing requests and users.

- **E-Commerce Shopping Cart System** - vanilla JavaScript
  - Developed a E-Commerce Shopping Cart System that allow users to browse products, add items to a cart, and complete secure purchases, with an admin dashboard for managing inventory and orders.

- **FastAPI Business App** - FastAPI, MySQL, Html, CSS
  - A FastAPI-based web application enables users to sign up, log in, reset passwords, and delete accounts for a business platform, with secure password hashing and database integration.

- **Scraping Faculty Data** - Python Script
  - This Faculty Data Scraping project extracts faculty details (names, designations, departments, emails, contacts) and profile images from a university website, saving data to a CSV file and images to a folder, with university information stored separately.

Skills

- **Programming Languages:** Python, C++, C
- **Tools:** Visual Studio, CLion, Oracle, Trello, JMeter
- **Web Development:** HTML, CSS, FastAPI, Js, PHP
- **Database Management:** MySQL, SqlLite, Oracle
- **Soft Skills:** Problem-Solving, Networking, Communication, Research, Quick learning

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Certifications

- **Python** (Completed)
- **Technical Assistant** (for Discrete Structure and Calculus Geometry with Dr. Numman and Dr. Shams)