

# IFRAH SHAHID

+92 3302803568 | ifrahshahid2020@gmail.com | [in LinkedIn](#) | [Github](#) | [Portfolio](#)

## Professional Summary

A recent Software Engineering graduate with a strong background in Python, who earned a 50% merit scholarship throughout for academic performance. Worked as a Freelance Software Developer during Bachelor's, collaborating with over 15 clients globally. Delivered web applications and software solutions, gaining valuable experience in solving real-world complex problems and receiving exceptional feedback for the end products delivered. Eager to apply these skills and pursue ongoing growth by contributing to a reputable company.

## Education

### Usman Institute of Technology

B SSE - Bachelors of Science in Software Engineering | CGPA: 3.01

Oct 2020 - July 2024

Karachi, Pakistan

- Relevant coursework: Data structures, Algorithm design, Object-oriented design, Database Systems, Design Patterns, Web Engineering, System Design, Cloud Computing.

## Technical Skills

**Programming Languages:** Python, HTML, CSS, JavaScript, SQL, Java, C++

**Frameworks:** Django, Flask, FastAPI, React, Node.js, Flutter, WordPress

**Tools & Technologies:** Git/GitHub, MySQL, Postgres, Oracle, AWS, Docker, Kubernetes, CI/CD

## Projects

### Grad.io - Final Year Project | Flask, Node.js, React, MySQL, Selenium, Heroku

Oct 2023 - July 2024

- Developed a University Recommendation System to suggest suitable universities based on students' grades, preferences, and interests, resulting in 80% personalized recommendations.
- Used Selenium to scrape data from over 200 universities, mapped this data with students' grades and preferences, achieving 90% up-to-date recommendations.
- Implemented the RIASEC model to assess students' personalities and matched it with university departments, leading to specific department suggestions.
- Applied NLP techniques to process students' text inputs about their interests, refining university recommendations & improving recommendation compatibility by 30%.
- The end result includes a customized list of recommended universities and eligible departments, along with compatibility percentages, based on students' data.
- Implemented a complete authentication system, designed a database schema, developed test cases, and created reusable components with well-articulated documentation throughout.

### Peptides Dosage Calculator | Flask, React, Heroku

Jan. 2024 – July 2024

- Developed a web application for a US-based peptide business client to automate peptide dosage calculations, achieving 80% uniqueness in application features compared to competitors.
- Used React to design and implement a responsive frontend that enabled users to input parameters and receive instant dosage recommendations, resulting in dynamic forms and real-time results.
- Created and deployed backend APIs using Flask to manage Email and Phone OTP verification, ensuring a 95% success rate.
- Developed a database schema for consistent storage and retrieval of user-generated calculations across multiple sessions.

## Experience

### Freelance Software Development Engineer

Fiverr & Upwork

Jan 2023 - Present

Remote

- Developed web applications and RESTful APIs using Django, Flask, and React, ensuring effective integration between frontend and backend systems.
- Designed and maintained SQL databases, aligning database architecture with application design.
- Integrated third-party APIs and services, including authentication system and language processing tools, to expand the application functionality.
- Analyzed client business requirements and developed prototypes to validate solutions, ensuring they met specific needs.
- Maintained ongoing client communication, provide progress updates, and incorporate feedback into project deliverables, achieving a high project success rate and maintaining a 5-star client satisfaction rating throughout.

### Django Developer Intern

Oraan

Nov 2022 - Dec 2022

Karachi, Pakistan

- Used Django REST Framework to create a web application and manage relational databases, leading to successful project execution.
- Applied unit testing and debugging techniques to improve code quality, leading to better project outcomes.
- Participated in Agile development sprints, daily stand-ups, and retrospective meetings to enhance team collaboration.
- Engaged in continuous learning to adopt best practices and stay updated with industry standards.