



SUMMARY

A recent **Software Engineering graduate** with a strong background in **Python**, awarded a **100% merit scholarship** throughout my degree for academic excellence. Worked as a **Freelance Software Developer** during my studies, successfully collaborating with over 15 global clients. Delivered **web applications** and **software solutions**, gaining hands-on experience in solving real-world, complex problems, while consistently receiving exceptional feedback for the quality of work delivered. Eager to apply these skills and contribute to a forward-thinking company while continuing my professional growth.

EDUCATION

Usman Institute of Technology

Oct '20 - Jul '24

B. Sc. - Software Engineering

Karachi, Pakistan

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

- **Top 10 percentile** of the class (GPA: 3.4/4.0)

INTERNSHIPS

Summer Intern

Jun '23 - Aug '23

RS Softwire

Karachi, Pakistan

Web Developer Intern

- Enhanced expertise in cloud computing and web development through hands-on experience at RS Softwire, optimizing cloud solutions and crafting efficient web applications using AWS, HTML, CSS, and JavaScript.

PROFESSIONAL EXPERIENCE

Full-stack Developer

Mar '23 - Sep '24

Toolify (YC W24)

Remote, India

A cutting-edge platform that automates workflows and integrates tools to streamline business operations and enhance productivity.

- Developed and maintained websites using **Python/Django** and **React.js** for **toolify.ai**.
- Created engaging, **SEO-friendly content** to enhance traffic and improve user experience.
- Implemented **responsive design principles** to ensure optimal performance across all devices.
- Collaborated with cross-functional teams to meet project requirements and deliver tailored solutions.
- Applied **SQL** and database management skills to optimize website performance and streamline data access.
- Utilized front-end tools like **CSS** and **React** to develop user-friendly interfaces.
- Demonstrated proficiency in **web design** and **AngularJS** to improve website functionality and aesthetics.

PROJECTS:

Grad.io- Final Year Project:

Oct '23 - Jul '24

Flask, Node.js, React, MySQL, Selenium, Heroku

Karachi, Pakistan

<https://github.com/AlizaHashmat-eng/University-Recommendation-System>

- Crafted a University Recommendation System leveraging Flask, Node.js, React, MySQL, Selenium, and Heroku, resulting in an **80% surge in personalized recommendations**.
- Leveraged Selenium for scraping data from 200+ universities, analyzing it against students' grades and preferences to deliver **90% accurate recommendations**, positively impacting a multitude of students
- 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.

https://peptidescalculator.com/

- Developed a web application for a US-based peptide business client to automate peptide dosage calculations, achieving 80% uniqueness in
- Utilized React to architect and deploy a responsive frontend, enabling users to input medical data for **instant dosage feedback**, resulting in increased user engagement and enhanced user experience
- I created and deployed backend APIs using Flask to manage Email and Phone OTP verification, ensuring a 95% success rate.
- We developed a database schema for consistently storing and retrieving user-generated calculations across multiple sessions.

ADDITIONAL INFORMATION

- **Languages:** English, Urdu, French, Arabic, Chinese

KEY SKILLS

- **Full-Stack Web Development:** • **Cloud Computing** • **Testing & Quality Assurance**• **Database Management:**• **Debugging**
- **Problem-Solving** • **Agile Methodologies**, **HTML** • **Artificial Intelligence**

Areas of Interest

- **Web Application Programming** • **Distributed Computing** • **Network Applications** • **Data Structure** • **Algorithms**
- **Cloud Applications** • **Operating Systems** • **Artificial Intelligence** • **Software Development Lifecycle (SDLC)**

TECHNICAL SKILLS

- **Languages:** Python, JavaScript, HTML, CSS, SQL, Java, C++, PHP
- **Frameworks/Libraries:** React.js, Django, Node.js, Flask, FastAPI, Flutter, WordPress, .NET, jQuery, Bootstrap
- **Web Development:** Full-stack development, Front-end/back-end integration responsive design.
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Version Control:** Git, GitHub
- **API Integration:** RESTful APIs, GraphQL, Oracle, AWS, Kubernetes
- **SEO:** On-page optimization, content strategy
- **Technical Writing:** Documentation, user guides, content creation
- **Deployment:** CI/CD pipelines, Docker, Heroku
- **Project Management:** Agile methodologies, team collaboration, task prioritization

CERTIFICATIONS

- **Introduction to Career Skills in Software Development** | LinkedIn | Jun ' 2024
- **Cloud Computing** | Eureka | Mar '2020
- **Github Essentials and Advance** | LinkedIn | Sep' 2024
- **Project Management Essentials** | LinkedIn | Sep' 2024
- **Flutter Development** | Coursera | Mar' 2024