

Syed Usama Hussain Shah Bukhari

SOFTWARE ENGINEER & RESEARCH STUDENT

+070-9231-3137 syedusama78@gmail.com Itoshima, Fukuoka - Japan Syed-Usama-Bukhari Portfolio

Software Engineer with a solid year of experience in software development and data analysis. Skilled in languages such as Python, PHP, JavaSE, and SQL, with a deep focus on data science. I bring proactive problem-solving skills and a strong dedication to continuous learning. Committed to enhancing my expertise through ongoing personal and professional development.

EXPERIENCE

Software Engineer

CareCloud - USA Feb.2023 – Sept. 2023.

- Enhanced search using **Elastic Stack** for efficient optimal search.
- Prompt Engineering** on **GPT**, **Vertex AI** for summary based statistics, and recommendation.
- Implemented speech-to-text conversions using **Whisper**, improving speaker distinction.
- Optimize backend operation with modernized user interfaces with **NET** and **Angular Material**.
- Tech Stack:** Python, FastAPI, Pandas, spacy, ML, SQL Server, Elastic Stack, Angular, .NET

Assistant Executive Developer

Immentia SMC Private Ltd Aug. 2022 – Jan.2023

- Islamic Match:** Developed matchmaking features, user profiling, match algorithms, real-time communication capabilities.
- Blogs & Post Management:** Built a CMS with multimedia support and SEO optimization for in-house.
- Customer Feedback Analysis:** Tool to analyze feedback using python for sentiment analysis, better service quality and customer satisfaction.
- Tech Stack:** Laravel, Tinymce, MySQL, Python spacy, Tailwind, ES6

Android Development (Internship)

Devsiom Technologies Aug. 2021 – Sep, 2021

- Health Tracker:** Developed a app to monitor daily activities, dietary intake, and exercise routines, integrating SQLite and Google authentication.

PROJECTS

Catalyst – A Web Solution for OBE

Final Year Project Sept. 2021 – June. 2022

- Developed an application for Foundation University for OBE management, integrating comprehensive data analytics and visualization tools to track and improve educational outcomes.
- Tech Stack:** PHP, PWA, CSS3, Tailwind, JavaScript, jQuery, ApexChart, MySQL, Business Intelligence, Data Analysis

Application Development

WeCodeSolution March. 2020 – Dec. 2022

- SMTP Related Projects:** Automated email campaigns with performance analytics using FastAPI, Streamlit.
- SMTP Gateway:** Improve email deliverability, reducing spam complaints by 30% and better successful delivery rates.
- Data Analysis Dashboard:** Web-based, real-time data visualization with Django.

Smart Traffic System IOT

Self Project June. 2020 – March. 2021

- Created a system using image processing and cluster of algorithms on Raspberry Pi to optimize traffic flow and reduce congestion in real-time.
- Tech Stack:** Python, Deep Learning, RESTAPI, Image Processing, Resberry pi, Numpy, Pandas

Hospital Management System

Semester Project Feb. 2020 – Jul. 2020

- Comprehensive software for enhancing patient care through automated scheduling, record management, and real-time data access for healthcare professionals.
- Tech Stack:** JavaSE, Vaadin, Sprint-boot, JavaScript, CSS3, MYSQL, Maven

CERTIFICATE

Certificated Data Scientist Associate

6 Modules

8/09/2023 ~ 7/09/2025

Datacamp

Python for Everybody Specialization

5 Courses - 15 days

4-5 hrs/week

Coursera

Data Scientist with Python (cont.)

25 Courses

96 hrs

Datacamp

Python Programmer

17 Courses

67 hrs

Datacamp

ACHIEVEMENTS

FUSST Open House

Our web solution, Catalyst, secured 3rd place at the Foundation University Open House competition.

Volunteer Thesis Contribution

A dedicated exploration into machine learning methodologies to enhance predictive analytics in academic research for University of Hull.

Japanese Language Capability Test

Passed JCLT N5 with substantial score. (61/90)

SKILLS

Technologies and Languages

Python | numpy | pandas | matplotlib | seaborn | beautifulsoup |
spacy | openAI | Fine Tuning | Whisper | FastAPI | OpenCV | pytorch
Laravel | PWA | JavaSE | Vaadin | Elastic Stack | SQL Server |
MYSQL

Tools

Jetbrains (IntelliJ, Pycharm, PhpStorm) | Anaconda | Slack | Github
| Jupyter Notebook | Figma | SQL Server | Jira

Languages

English | Urdu | Japanese

EDUCATION

Research Student

Kyushu University - Ito Campus

2024- Cont.

Bachelor of Computer Software Engineering

Foundation University Islamabad - Pakistan

2018-2022
3.55/4.00

Japanese Language Certificate

National University Of Modern Languages

2018-2018
77/100