Syed Usama Hussain Shah Bukhari

SOFTWARE ENGINEER

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

Experienced Software Engineer with a strong background in software development and data analysis. Proficient in Python, Laravel, JavaSE, and SQL, with a focus on data science. Demonstrates proactive problem-solving abilities and a dedication to continuous learning. Committed to enhancing 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

Portable Health Clinic 2.0 🐙 github

💼 Social Tech Lab 📅 August. 2024 – Inprogress

- Migration from CodeIgniter to a new tech stack. Collaboration with Kyushu University Hospital Campus.
- Key Features Introduced: Zero Trust Authentication, LHS (Learning Health Systems), Microservices, OpenEHR, and medical data standardization.
- **Tech Stack:** React, Django, PostgreSQL, Tailwind, Docker, JavaEE (Spring Boot), OpenEHR, FHIR

Catalyst – A Web Solution for OBE 🐙 github

💼 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

Smart Traffic System IOT 🐙 github

💼 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 🐙 github

💼 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.

Japanese Language Capability Test
Passed JCLT N5 with substantial score.   **(61/90)**

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

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