# MULHIMA JAWAHIR
## SOFTWARE ENGINEER
**Full Stack Development — Web Applications — Machine Learning**

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## Professional Summary

Result-oriented **Software Engineer** with **1+ year of experience** in **software development**, **web applications**, and **machine learning**. Proficient in **Python, JavaScript, PHP, ReactJS, Laravel, and Bootstrap**, with strong expertise in **API integration (FastAPI, RESTful)** and **cloud deployment**. Skilled in **optimizing system performance**, **enhancing user experience**, and delivering **scalable solutions**. Looking for challenging opportunities to apply technical expertise and contribute to innovative projects.

## Technical Skills

- **Programming Languages:** Python, JavaScript, PHP, Java, C
- **Web Frameworks and Libraries:** ReactJS, Laravel, Bootstrap, FastAPI, Flask, Next.js
- **API Development and Testing:** RESTful APIs, API Integration, Postman, OAuth
- **Frontend Technologies:** HTML, CSS, JavaScript, jQuery, Responsive Design
- **Backend Technologies:** PHP, Node.js, Python, SQL
- **Databases:** MySQL, SQL
- **ML/AI:** Predictive Analytics, Data Preprocessing, Model Training, Data Visualization
- **DevOps/Cloud:** AWS, Railway, Git, GitHub, GitLab
- **Tools and Technologies:** Visual Studio Code, Jira, Postman, Figma, Canva
- **Soft Skills:** Team Leadership, Problem Solving, Time Management, Communication
- **Languages:** English (Fluent), Tamil (Native), Sinhala (Fluent)

## Professional Experience

**Associate Software Engineer, ShoutX**     **April 2025 – Present**

**E-Commerce and Business Websites**

*Technologies:* PHP, Laravel, MySQL, WordPress, JavaScript, HTML, CSS, Bootstrap, Figma

- **Promoted** for strong performance and impactful project contributions.
- **Led** backend feature enhancements, improving API reliability and code quality.
- **Mentored** interns, streamlining onboarding and boosting team productivity.

**Web Developer Intern, ShoutX**     **October 2024 – April 2025**

**E-Commerce and Business Websites**

*Technologies:* PHP, Laravel, MySQL, WordPress, JavaScript, HTML, CSS, Bootstrap, Figma

- **Developed** full-stack web applications using Laravel, MySQL, and JavaScript, improving **user engagement by 45%**.
- **Optimized** WordPress websites for SEO and performance, reducing **page load times by 50%** and increasing **conversion rates by 30%**.
- **Implemented** secure RESTful APIs with **RBAC, OAuth authentication, and automated data validation** to enhance security.
- **Built** a **Car Maintenance Booking System** and a **Tourism Booking System**, integrating **automated email reminders and inquiry handling**.

**Co-Founder & Project Lead, Innenta Solutions**     **March 2024 – July 2025**

**Client Solutions Platform**

*Technologies:* ReactJS, Node.js, Laravel, Bootstrap, Agile Methodology, Notion, Git, Jira

- **Directed** full-stack development projects, driving **20% revenue growth** by delivering **tailored client solutions**.
- **Enhanced client satisfaction by 20%** through **timely project delivery** and detailed **requirement analysis**.
- **Managed Agile workflows**, optimizing **team efficiency** and maintaining **high-quality deliverables**.
- **Improved project timelines** through **strategic task prioritization** and **resource management**.

## Academic Projects

### ML-Based Student Progress Improvement System          July 2024 – Present

*Technologies:* Python, TensorFlow, Flask, Figma, Data Analytics
- **Built** a predictive ML system to boost **student performance accuracy by 40%**.
- **Reduced** lecturer workload by 25% through adaptive learning models.
- **Designed** a responsive dashboard, increasing **stakeholder engagement by 50%**.
- **Enabled** real-time analytics for personalized learning recommendations.

### Customer Churn Prediction in Telecom Industry          August 2024 – October 2024

*Technologies:* Python, scikit-learn, Pandas, NumPy, Tableau, SQL
- **Developed** machine learning models (**Random Forest, XGBoost**) achieving **85% churn prediction accuracy**.
- **Engineered data pipelines** and preprocessing workflows reducing **model error rates by 15%**.
- **Created** business intelligence dashboards driving **targeted marketing campaigns**, decreasing **churn rates by 20%**.

### Sprinkles Bakery Mobile App          April 2024 – June 2024

*Technologies:* Java, Android Studio, Firebase, REST APIs, SQLite, UI/UX Design
- **Developed** an **Android mobile app** increasing **online orders by 75%** and boosting **customer satisfaction by 40%**.
- **Implemented cross-platform compatibility**, reducing **development time by 30%** through modular architecture.
- **Optimized** application performance leading to **45% faster load times** across multiple Android devices.

### Network Chatting Application          January 2024 – March 2024

*Technologies:* Java, Socket Programming, Multithreading, JavaFX, MySQL
- **Designed** a **real-time Java messaging app** using **socket programming** with **95% connection reliability**.
- **Implemented end-to-end encryption** and **asynchronous communication protocols**, enhancing security.
- **Developed** an **intuitive UI with JavaFX**, increasing **user engagement and satisfaction by 65%**.

## Education

### B.Sc. (Hons) in Information Technology          March 2021 – Present

*Horizon Campus, Colombo, Sri Lanka*

### Diploma in Information Technology          December 2018 – May 2019

*ESOFT Metro Campus, Trincomalee, Sri Lanka*

### Diploma in English          January 2016 – December 2016

*ESOFT Metro Campus, Trincomalee, Sri Lanka*

### G.C.E. Advanced Level          July 2016 – December 2018

*Trincomalee Zahira College, Trincomalee, Sri Lanka*

## Certifications

- **Certificate in Crash Course on Python - Google, Coursera**      September 2024
- **Certificate in Intro to Machine Learning - Kaggle**      June 2024
- **Certificate in Front-End and Web Development - IBM, Coursera**      February 2024
- **Pearson Assured Diploma in Information Technology - ESOFT Metro Campus**      April 2019
- **Pearson Assured Diploma in English - ESOFT Metro Campus**      April 2019

## References

References are available upon request.