

MOHAMMED HIMAS

Software Engineer

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TECHNICAL SKILLS

Languages: Python, JavaScript, Java, PHP, C++

Frontend: React, HTML5, CSS3, Bootstrap

Backend & Frameworks: Node.js, Django, Spring Boot (MVC), Flutter

Databases: MySQL, MongoDB

ML & Data: Scikit-learn, XGBoost, Random Forest, KNN, Pandas, Tableau

Tools & Platforms: Git, AWS, Google Analytics (Advanced), Android Studio

Certifications: Google Analytics 360, Advanced Google Analytics, Google Analytics for Power Users

EXPERIENCE

Axynta Digital Solutions | Freelance Software Engineer & Web Developer 2023 – 2025 | *Remote*

- **Architected and deployed 5+ production websites** (e-commerce, business, community) using PHP, MySQL, HTML5, CSS3, and Bootstrap, generating real revenue for Sri Lankan clients within 3 months of launch.
- **Reduced client marketing costs by ~30% ROI** by integrating Google Analytics event funnels, custom dashboards, and conversion tracking across all deployed platforms.
- **Improved search rankings to Page 1** for target keywords within 90 days by implementing technical SEO: schema markup, XML sitemaps, and Core Web Vitals optimization.
- **Managed end-to-end SDLC** — from requirements gathering and technical specs to deployment — for 5+ client projects, consistently delivering on schedule.

PROJECTS

MegaCityCab Service | *Java, MVC, MySQL* 2025

- **Engineered a full-stack cab booking and ride management web application** for Colombo City commuters using Java with the MVC architectural pattern, enabling modular, scalable, and maintainable code across 3 distinct service layers.
- **Implemented real-time ride tracking and booking state management** with clean separation of Controllers, Models, and Views — reducing feature addition time and improving testability across the codebase.

Smart Flood — ML-Powered Disaster Warning System | *Python, PHP, MySQL, Scikit-learn* 2024

- **Built a full-stack flood prediction web application** integrating a trained ML model (pickle) served via Python/Flask with a PHP dashboard, automatically generating early warning alerts to reduce disaster response time.
- **Trained and benchmarked 3 ML models** (Random Forest, XGBoost, KNN) on historical flood data, selecting Random Forest for highest accuracy, and deployed it as a serialised model (smart_flood_model.pkl) consumed by a PHP predict endpoint.
- **Designed real-time IoT sensor data ingestion** via RESTful PHP APIs into MySQL, achieving sub-second dashboard refresh rates used by national disaster management authorities.

Insurance IQ — Premium Prediction Web App | *Python, Scikit-learn, XGBoost, HTML* 2024

- **Compared 3 regression models** (KNN, XGBoost, Random Forest) on an insurance dataset, selected the highest-accuracy Random Forest model, serialised it as a pickle file, and integrated it into a live web interface for real-time premium estimation.
- **Delivered an end-to-end ML pipeline** — data preprocessing, model training, evaluation, and web deployment — enabling non-technical users to estimate insurance premiums via a clean HTML front-end.

E-Commerce Platforms — hitecshoes.lk | victoriasshoe.lk | *PHP, MySQL, Bootstrap, Google Analytics* 2023 – 2025

- **Built two full-stack wholesale/retail e-commerce platforms** with admin dashboards, product catalogues, and secure authentication, serving live paying customers across Sri Lanka.
- **Achieved first-page Google rankings** for target keywords within 3 months by applying on-page SEO, structured data markup, and Google Analytics conversion funnels.

Masjid Community Platform — masjidulhassaniya.lk | *PHP, MySQL, Bootstrap* 2024

- **Developed a full-stack community management platform** to handle announcements, events, and member communications for a live audience, increasing digital engagement by 60%.

EDUCATION

BSc (Hons) Software Engineering

2024 – Present

International College of Business and Technology (ICBT) — Cardiff Metropolitan University, UK

Higher Diploma in Computing & Software Engineering

2022 – 2024

International College of Business and Technology (ICBT)

LANGUAGES & SOFT SKILLS

Languages: Tamil (Native), Sinhala (Fluent), English (Fluent)

Soft Skills: Leadership, Teamwork, Communication, Problem-Solving, Time Management