

RISLAN MOHAMED

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PROFESSIONAL SUMMARY

Results-driven Associate Software Engineer with a strong foundation in full-stack web development, database management, and IT infrastructure. Currently pursuing Higher National Diploma in Computing (Software Engineering) from Pearson College London. Demonstrated expertise in developing responsive web applications, managing databases, and implementing networking solutions. Proven track record in delivering scalable software solutions while maintaining high code quality and security standards. Passionate about leveraging AI and machine learning technologies to solve real-world problems.

EDUCATION

Pearson BTEC HND in Computing - Software Engineering

Jan 2024 - Sep 2026

BCAS Campus - Kalmunai

- Level 5 qualification with industry-aligned curriculum emphasizing practical, real-world software engineering skills
- Project-based coursework focusing on software development, database systems, and web application development
- Active member of BITS (BCAS IT Society) organizing tech events and workshops
- Served as Batch Representative, coordinating between students and faculty on academic matters

SKILLS

Programming: Python, PHP, JavaScript, HTML5, CSS3 | **AI/ML:** TensorFlow, Deep Learning, Data Visualization, Streamlit | **Web Development:** HTML, CSS, Bootstrap, JavaScript, PHP, Responsive Design | **Database:** MySQL, phpMyAdmin, SQL, Database Design | **Data Science:** Python Data Analysis, Matplotlib, Seaborn, Plotly, NumPy, Pandas | **Networking:** VLANs, Subnetting, Network Design, Cybersecurity, Metasploit | **Tools:** Git, GitHub, Jupyter Notebook, VS Code, Claude Code | **Soft Skills:** Problem Solving, Teamwork, Communication, Time Management, Leadership | **Languages:** English, Tamil, Sinhala

PROFESSIONAL EXPERIENCE

Associate Software Engineer

November 2025 - Present

UNIX-NET-TECHNOLOGIES

- Develop and maintain responsive web interfaces using HTML, CSS, Bootstrap, and JavaScript, ensuring cross-browser compatibility and optimal user experience
- Support backend development and application logic using PHP, implementing secure and efficient server-side solutions

- Manage and maintain MySQL databases via phpMyAdmin, optimizing queries and ensuring data integrity
- Assist with web hosting, domain management, and DNS configuration for enterprise-level deployments
- Perform comprehensive testing, debugging, and performance optimization to maintain high-quality code standards

Website Manager

May 2025 - Present

EuroFresh

- Manage e-commerce website for grocery products, ensuring accurate product listings and inventory management
- Update product prices, stock availability, and detailed product information to maintain online store accuracy
- Implement database management practices to ensure reliable and up-to-date product information for customers

Freelance Software Engineer

March 2025 - Present

Freelance

- Deliver software development, database systems, and networking solutions for individuals, startups, and businesses
- Design and implement network infrastructure including VLANs, subnetting, and security implementations
- Develop custom software solutions and SQL-based database systems tailored to client requirements
- Provide technical documentation, reports, and IT infrastructure support for academic and industry projects

IT Administrator & Analyzer

2023 - 2025

Afran Travels & Tours

- Managed and maintained computer systems, networks, and IT infrastructure ensuring 99% uptime
- Installed, configured, and updated hardware and software applications based on organizational requirements
- Monitored network performance and implemented security measures to protect against cyber threats
- Administered user accounts, managed permissions, and provided technical support to minimize downtime

ONLINE CERTIFICATIONS

- **UniAthena:** Diploma in Data Visualization Using Python (Score: 89%)
- **Anthropic:** Claude Code in Action (February 2026) - Credential ID: 45g2nmewtct9
- **ADBI E-Learning:** Cybersecurity - Comprehensive training in cybersecurity principles and data security tools
- **Simplelearn:** Introduction to Artificial Intelligence, Cyber Security 101: Beginner's Guide to Become a Penetration Tester, Digital Security Fundamentals, Graphic Design: Basics of UI/UX
- **Additional certifications:** Cloud Computing, Machine Learning, and Web Development

PROJECT & RESEARCH

AI-Powered Fabric Type Identifier for E-Commerce

April 2025 - July 2025

Developed AI system using TensorFlow for detecting cotton fabric and estimating cotton percentage with 95.7% accuracy. Integrated deep learning models into Streamlit web application for real-time fabric verification. Implemented features including confidence visualization, downloadable verification reports, and watermarked outputs. Enhanced product verification and user trust in e-commerce apparel platforms, reducing customer returns.

- **Tools & Technologies:** Python, TensorFlow, Deep Learning, Streamlit, NumPy, Pandas, Scikit-Learn, Matplotlib, Data Visualization

VOLUNTEERING & MEMBERSHIP

Batch Representative, BCAS IT Society (BITS)

2025 - 2026

- Coordinated between students and faculty on academic matters and student welfare
- Actively participated in organizing tech events and workshops for the IT society
- Demonstrated strong leadership and communication skills in representing batch interests