DULANI KAMKANAMGE

COMPUTER SCIENCE UNDERGRADUATE

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PERSONAL STATEMENT

Motivated and detail-oriented Computer Science undergraduate with a strong foundation in software engineering and web technologies. Passionate about **Frontend Development, Web Development, Software Engineering**, and **Data Science/Machine Learning,** with hands-on experience in building responsive web applications and deriving insights from data. Proficient in **Python, SQL, Java, JavaScript, React.js, HTML/CSS,** and other modern technologies. Demonstrated strengths in problem-solving, teamwork, and critical thinking, supported by creativity and leadership in both technical and content-driven environments. Eager to contribute to innovative projects and continue developing industry-ready solutions.

EDUCATION

- **University of Westminster - London , UK**   **2023-2027**
  BSc (Hons) Computer Science
- **Lindsay Girls' School - Colombo 03**   **2020-2023**
  G.C.E. Advanced Level Examination - 2022(2023) | Maths Stream - 3C's and 1S | Z-score (+0.4326)
- **Kottawa Dharmapala Maha Vidyalaya - Kottawa**   **2009-2019**
  G.C.E. Ordinary Level Examination - 2019 | 3A's , 4B'S and 2C's

EXPERTISE

- **Programming Languages**   : Python, SQL, Java, JavaScript, HTML/CSS
- **Frontend Development**   : React.js, Next.js, HTML, CSS, JavaScript, TypeScript, Tailwind CSS
- **Backend Development**   : Node.js, Python, RESTful APIs
- **Database Management**   : MySQL, MongoDB
- **Cloud & DevOps**   : Git & GitHub
- **Data Science & ML**   : Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn
- **Development Tools**   : VS Code, IntelliJ IDEA, NetBeans, Jupyter Notebook, Google Colab
- **Testing & Methodologies**   : API Testing, JUnit (Java), Agile

SOFT SKILLS

- Creativity
- Leadership
- Management Skills
- Team Work
- Problem Solving
- Content Writing
- Content Creating
- Critical Thinking
- Dancing

PROJECTS

- **Breast Cancer Prediction System**   **University of Westminster | 2025**
  Used: Python, Google Colab, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn

  Built classification and regression models on SEER breast cancer data to predict patient mortality status and survival duration. Used Logistic Regression, Decision Trees, MLP, and ensemble learning with hyperparameter tuning. **GitHub**
  - Preprocessed and transformed clinical datasets
  - Performed EDA and statistical validation
  - Optimized models via code reuse and peer reviews
  - Delivered analysis report for both technical and medical audiences

- **Insight Marketing Intelligence Hub "Promovio"**   **University of Westminster | 2024-2025**
  Used: React.js, Node.js, MongoDB, Meta APIs

  Developed a full-stack platform to optimize digital marketing workflows and enhance data-driven strategies for businesses and academic institutions. Integrated real-time analytics and social media data aggregation for actionable insights. **GitHub-Frontend** , **GitHub-Backend**
  - Designed real-time dashboards to visualize engagement, ROI, and campaign metrics
  - Integrated Facebook & Instagram APIs to unify social media analytics
  - Optimized SQL queries, reducing dashboard load time by ~30%
  - Contributed to AI-driven chatbot using Rasa NLP for content recommendations
  - Led sprint planning and Agile coordination across the team

- **Bookstore RESTful API**   **University of Westminster | 2025**
  Used: Java, JAX-RS, Postman

  Developed a RESTful API to manage books, authors, customers, shopping carts, and orders for an online bookstore. Focused on robust request handling and validation. **GitHub**
  - Implemented CRUD operations using GET, POST, PUT, DELETE methods
  - Handled errors and invalid requests using custom ExceptionMappers
  - Tested and validated API endpoints using Postman

ACHIEVEMENTS & CERTIFICATIONS

- **Certificate of Course Completion | Python Essential Training |** Linkedin Learning - 2025
- **Certificate of Course Completion | Learning Python |** Linkedin Learning - 2025
- **Certificate of Course Completion | Learning Java 17 |** Linkedin Learning - 2025
- **Certificate of Appreciation - Most Outstanding 10 Leo District Council Officers |** Award One - Annual Mid-Year Conference in Leo District 306 A1 - Leostic Year - 2024/2025
- **All-Island Level - Winner |** All-Island Inter Schools Traditional Dancing Competition - 2016
- **Provincial Level - Winner |** Provincial Inter Schools Traditional Dancing Competition - 2016

EXRA-CURRICULAR ACTIVITIES

- **Club Administrator |** Leo Club of Informatics Institute of Technology | 2024 - 2025
- **Council Officer - Administration Committee |** Leo District 306 A1 | 2024 - 2025
- **Batch Representative |** Informatics Institute of Technology | 2023 - 2025
- **Project Treasurer - පුංචි පැටවි'24 |** Leo Club of Informatics Institute of Technology | 2024
- **Vice President - Health Promotion Committee |** Kottawa Dharmapala Maha Vidyalaya | 2017-2019
- **Junior Prefect |** Kottawa Dharmapala Maha Vidyalaya | 2016