RUKMIN THARANGA

Undergraduate | Web Developer

PROFILE SUMMARY

Undergraduate IT student specializing in full-stack web development, with hands-on experience in JavaScript, React, and Django. Skilled in building responsive, interactive applications and integrating RESTful APIs. Strong foundation in networking, databases, and machine learning. Seeking an internship to apply technical expertise and contribute to real-world projects.

CONTACTS

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Location: Gampaha, Sri Lanka
LinkedIn: https://www.linkedin.com/in/rukmin-tharanga
Portfolio: https://tinyurl.com/b32w8ded

TECHNICAL SKILLS

- HTML, CSS, JavaScript, React
- Tailwind CSS, Bootstrap
- Node.js, Django, FastAPI, RESTful APIs
- Git, GitHub, Postman, JSON
- MySQL, PostgreSQL, SQLite, MongoDB
- Python, Java, JavaScript, C++
- Machine Learning (scikit-learn, NumPy, Pandas, Matplotlib)
- OOP, Data Structures & Algorithms
- IoT & Embedded Systems
- Networking (Cisco Packet Tracer, Wireshark)

PROJECTS

Enhancing Working Memory through Adaptive Exercises (Django, Hugging Face, Python, JavaScript)

- Developed a Django-based cognitive training tool with Hugging Face NLP models.
- Implemented dynamic difficulty adjustment, gamification, and real-time feedback, improving engagement in pilot testing.

Movie Search Engine Website (React, JavaScript, TMDb API)

- Engineered a React web app with TMDb API integration for real-time movie data.
- Added search, filtering, and personalized favorites management, enhancing user interactivity.

Weather Forecast Web App (React, Tailwind CSS, OpenWeather API)

- Built a React + Tailwind CSS application integrating OpenWeather API for live forecasts.
- Implemented error handling and dynamic visuals, improving user experience.

Portfolio Website (HTML, CSS, JavaScript, React)

- Designed and deployed a responsive portfolio website to showcase skills, projects, and experience.
- Optimized UI for responsiveness and cross-device compatibility.

Cardiovascular Disease Prediction in Hypertension Patients (Pandas, Scikit-learn, NumPy, Matplotlib)

- Built a machine learning model to predict cardiovascular disease risk in hypertensive patients.
- Applied data preprocessing, feature engineering, and classification techniques using Pandas and Scikit-learn, improving model accuracy.
- Collaborated in a team of 5.

EDUCATION

- **G.C.E. Advanced Level (2019)** — Bandaranayake College Gampaha
  Physical Science Stream
- **BIT (Hons) in Networking & Mobile Computing** — Horizon Campus, Malabe
  (Expected Graduation: 2026)
  Relevant Coursework: Web Development, Networking, Machine Learning, Database Management

Additional Information

Reference available upon request.