PRABATH RATHNAMALALA

UNDERGRADUATE

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github

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PROFILE SUMMARY

Highly motivated and detail-oriented **final-year Information Technology undergraduate** with a strong passion for **Full-Stack Development** and **modern web technologies**. Proficient in designing and developing **scalable**, **user-centric** web applications with a strong focus on **performance**, **responsiveness**, and **maintainability**. Actively exploring **AI integration** to enhance application functionality. Seeking an internship to contribute to innovative development teams, solve real-world problems, and build impactful digital solutions.

EDUCATION

- **General Sir John Kotelawala Defence University - BSc (Hons) Information Technology (2022 - 2025)**
- **ATN Campus - CCNA,CCNP (2021 - 2022)**
- **St Anne's Collage (kurunegala) - G.C.E (A/L) in Physical Science (2017 - 2019)**

TECHNICAL SKILLS

- Programming Languages**: JavaScript , Python, Php**
- Frontend Technologies**: React.js**, **Next.js, Laravel, ,HTML,CSS**
- Backend Technologies**: Node.js**, **Express.js**, **Flask**
- Databases**: MySQL**, **MongoDB**
- Version Control: **GitHub**
- Tools : **Vs Code , Jupiter Notebook**

PROJECTS

- **Public Vehicle Analysis** │ Github
  - *Role*: **Data Analyst & Developer**
  - Developed a public vehicle analysis system using **Python**, **Pandas**, **Matplotlib**, **Seaborn**, and **Jupyter Notebook** to **analyse vehicle patterns**, trends, and **performance in Illinois**. Processed data with **Pandas**, created **visualizations** with **Matplotlib** & **Seaborn**, and built interactive reports for insightful decision-making.

- **Wedding Planning System - Microservice Architecture** │ Github
  - *Role*: **Backend Developer**
  - Developed a **microservices-based** wedding planning system using **MongoDB**, **Express.js**, **Node.js, Docker, and RabbitMQ**,**REST API** ensuring scalable **backend services** with efficient **inter-service communication.**

- **Echo Agri Market Management System - MERN Stack E-Commerce Web Application** │ Github
  - *Role*: **Full-Stack Developer**
  - Developed a **multi-role** agri-market management system with **role-based access control** and **user authentication** using **JWT** to ensure proper access and security.
  - Designed a fully **responsive** user interface using **React.js**, providing seamless interactions across devices, and integrated real-time order handling, inventory management, and admin dashboards.

- **Clearance Management System for KDU - Laravel** │ Github
  - *Role*: **Full-Stack Developer**
  - Designed, developed, and deployed a comprehensive Clearance Management System for **General Sir John Kotelawala Defence University** using the **Laravel framework**, enabling **efficient clearance processing** across multiple departments with secure multi-role authentication, real-time status tracking, and deployment on internal servers.

- **Portfolio Website (Next.js)** | **Live**
  - *Role*: **Frontend Developer**
  - Created a **mobile-responsive** portfolio website with **interactive animations** & **smooth transitions**.
  - Optimized for **SEO** & **fast performance**, **deployed** on **Vercel.**
- **Yapahuwa Yoga Villa (HTML, CSS, JavaScript)** | **Live**
  - *Role*: **Frontend Developer**
  - Developed a **responsive and user-friendly** website for Yapahuwa Yoga Villa enhancing the client's **online presence** by showcasing services, integrating interactive contact features, and optimizing content for **SEO** to **attract and engage international tourists**.

CERTIFICATIONS

- Microsoft Azure AI Fundamentals: Generative AI
- Postman API Fundamentals Student Expert
- Microsoft Azure Fundamentals: Describe cloud concepts
- CCNA: Introduction to Networks
- IBM : Introduction to Cybersecurity Tools & Cyber Attacks
- Cisco : Introduction to IoT

ADDITIONAL INFORMATION

- **Languages:** English, Sinhala
- **Awards/Activities:** Participated in the PyData Sri Lanka post-conference five day workshop series and succesfully completed the project on **Python** and **Data Science**
- **Researches :**
  - Enhancing Government Web Services Through Modern Web Technologies: A Framework for Improved Accessibility, Usability, and Citizen Engagement in Sri Lanka
  - Revolutionizing Cricket Training: A Pose Analysis System for Technique Enhancement using ML

REFERENCES

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