

Omila Paranavithana

AI / Machine Learning Intern

 osparanavithana@gmail.com  Omila Paranavithana  Omila Paranavithana
 +94 76 620 4187  Colombo, Sri Lanka

Profile Summary

Motivated AI/ML Intern with a strong foundation in computing, data handling, and software development. Experienced in full-stack development, IoT systems, and API integrations. Currently expanding skills in machine learning fundamentals, Python-based model development, data preprocessing, and evaluation techniques. Passionate about applying ML concepts to real-world applications and combining software engineering with intelligent automation.

Education

BSc (Hons) in Computing & Information Systems (Undergraduate) 2023 – Present
Sabaragamuwa University of Sri Lanka

St. Aloysius' College – Galle 2018 – 2020
G.C.E. A/L — Physical Science Stream

Technical Skills

Programming: Python, JavaScript, Java, C, PHP

Machine Learning: Regression, Classification, Data Preprocessing, Model Evaluation

ML Tools: NumPy, Pandas, Scikit-Learn, Matplotlib

Frameworks & Libraries: React.js, Next.js, Express.js, Tailwind CSS

Databases: MongoDB, MySQL, Firebase, Firestore

Tools: Postman, Figma, Canva, Trello, VS Code

Version Control: Git, GitHub

Projects

CityBin – Smart Garbage Monitoring System 2025
ESP32-C3, Arduino, React.js, Node.js, MongoDB *Group Project*

- Programmed IoT hardware using ESP32, ultrasonic sensors, and load cells.
- Built REST APIs for real-time bin-fill and weight data transmission.
- Designed React.js dashboard components for environmental monitoring.
- Implemented automated full-bin alert mechanisms.

PetVaxHub – Smart Pet Vaccination System 2024
React.js, Node.js, Express.js, MongoDB *Group Project*

- Developed full frontend interface and integrated backend APIs.
- Designed components for vaccine tracking and reminder workflows.
- Improved accessibility and organization of pet health information.

- Designed intuitive frontend layouts for student group allocation.
- Implemented backend logic for automated color assignment.
- Increased administrative efficiency using database-driven workflows.

PinkPost – Smart Gift Customizing Platform
React.js, Node.js, Express.js, MongoDB, Stripe API

2025 – Ongoing
Individual Project

- Designed interactive gift customization UI with responsive design.
- Integrated Stripe API for secure payment processing.
- Developed backend modules for authentication and order management.

Interests

IoT Development, UI/UX Design, Real-Time Systems, Automation, Modern JavaScript Frameworks.

Soft Skills

- Team Working Skills
- Problem-Solving Skills
- Self-Learning Ability
- Communication Skills
- Time Management
- Critical Thinking
- Creativity
- Leadership
- Emotional Intelligence

Non-Related References

Prof. B.T.G.S. Kumara
Professor in Computer Science, Faculty of Computing
Sabaragamuwa University of Sri Lanka
kumara@foc.sab.ac.lk — +94 774 431 193

Mrs. S. Adeeba
Lecturer (Probationary), Dept. of Computing & Information Systems
Sabaragamuwa University of Sri Lanka
adeesa@foc.sab.ac.lk — +94 77 366 8175