

# SEMAL DE SILVA

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## OBJECTIVE

I'm passionate about IT, data analytics, AI/ML, and IoT. With a strong foundation in technical and analytical skills, I am eager to apply my knowledge and enthusiasm to an internship role that aligns with my passion for leveraging technology. I aim to harness data-driven insights and cutting-edge innovations to support informed decision-making and drive business success.

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## PERSONAL PROJECTS

 - [SemalDeSilva - GitHub](#)

**Personal AI Trainer** (OpenCV, MediaPipe, python)

- Used pose estimation to calculate angles and track gestures like bicep curls, with code optimized for easy angle computation between key points.

**Recyclable Waste Classifier** (Python, OpenCV, Tensor Flow)

- Developed a waste classifier with four categories and eight objects, featuring a graphical interface for improved user interaction.

**Movie Recommendation system** (Python, streamlit, NLP (Natural Language Processing), Git)

- End to End project delivers tailored movie suggestions based on user preferences.

**Laptop price predictor** (Python, Flask, Git)

- End to End AI and Machine Learning Models Design & Developments.

**Covid – 19 Data analysis** (Power BI, Git)

- Data Analysis and Visualization using Power BI for COVID-19 trends in India.

## ACADEMIC PROJECTS

 - [SemalDeSilva - GitHub](#)

**Online Gym Management System** (MERN, Git)

- A key feature I developed is post-workout recovery assistance & enhancing the user experience with personalized recovery tips.

### **Online Banking System** (JSP & Java, Git)

- Developed login, sign-up, and user profile with full CRUD operations.

### **Wildlife Safari Management System** (HTML, CSS & PHP, Git)

- Implementation of System with CRUD operations.

## **QUALIFICATIONS**

- **BSc (Hons) In Information Technology Specializing in Information Technology** - (SLIIT)  
– (2022-2026)
- **Advanced Level - Physical Science Stream** - Prince of Wales Collage ( 2020 – 2021)

## **SKILLS**

- Familiarity with data visualization tools - Power BI, Matplotlib.
- Experience with data preprocessing, feature engineering, and model evaluation techniques.
- Skilled in Excel (including data analysis and visualization), Word, and PowerPoint for professional documentation and presentations
- Familiarity with Database technologies.
- Understanding of database design principles, normalization, and schema development.
- Experience with relational and NoSQL databases such as MySQL and MongoDB.
- Strong written and verbal communication skills for collaboration, project coordination, and client support.
- Experienced with python language & Numpy, Pandas, Scikit-learn, Tensor Flow, PyTorch and OpenCV
- Effective written and verbal communication skills for collaboration in diverse environments

## **ACHIVEMENTS**

- **Python for Beginners** - University of Moratuwa
- **AI / ML Stage 1** - SLIIT
- **Power BI for Beginners** - Simplilearn
- **Python for Data Analysis** - Great Learning

## **REFEREES**

Could be provided upon request.