

SEMAL DE SILVA

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](#)

Resume Categorization System (Python, NLP)

- Developed an end-to-end machine learning solution leveraging NLP techniques to automate the categorization of resumes.

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.

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

- Experience with data preprocessing, feature engineering, and model evaluation techniques.
- Familiarity with data visualization tools - Power BI, Looker Studio, Matplotlib.
- Familiarity with Database technologies.
- Advanced knowledge of Python with experience in libraries such as NumPy, Pandas, Scikit-learn, TensorFlow, PyTorch, and OpenCV.
- Understanding database design principles, normalization, and schema development.
- Experience with relational and NoSQL databases such as MySQL and MongoDB.
- Effective written and verbal communication skills for collaboration in diverse environments
- Skilled in Excel (including data analysis and visualization), Word, and PowerPoint for professional documentation and presentations

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.