

P.M. Adeesha Induja

Software Engineering Undergraduate — Data Engineer Enthusiast

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LinkedIn | GitHub | Portfolio

PROFESSIONAL SUMMARY

Motivated Software Engineering undergraduate with a strong interest in data engineering, backend development, automation, and cloud-based data workflows. Skilled in Python, SQL, JavaScript, ETL concepts, databases, Docker, GitHub, and n8n workflow automation. Experienced in building data-focused projects, web applications, automation workflows, and AI-related software systems. Seeking an internship opportunity to apply software development and data engineering skills in real-world projects.

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, JavaScript, TypeScript, C, HTML, CSS
- **Databases:** SQL, MySQL, PostgreSQL, MongoDB, Database Design Concepts
- **Data Engineering:** ETL, Data Cleaning, Data Transformation, Data Loading, SQL Analysis, Data Pipeline Design
- **Data and AI/ML:** Pandas, NumPy, Scikit-learn, Machine Learning, Deep Learning Basics, CNN, NLP
- **Web Development:** React, Next.js, Node.js, Express.js, Flask, FastAPI, REST APIs
- **Cloud / DevOps:** Git, GitHub, Docker, Docker Compose, DigitalOcean, Redis, Celery
- **Automation and Tools:** n8n, API Integration, Postman, VS Code, Figma

EXPERIENCE

Freelance Graphic Designer, Video Editor and 2D/3D Animator

Freelance

Graphic Design, Video Editing, Motion Graphics, 2D/3D Animation

3 Years

- Created social media designs, video edits, motion graphics, logo animations, and 2D/3D animated content for clients.
- Worked with branding, visual storytelling, client requirements, deadlines, and post-production workflows.

Video Editor

Designmaster.lk

Creative Media / Video Editing

- Edited digital video content using transitions, motion elements, and post-production tools.

PROJECTS

Job Market Data Pipeline using n8n

GitHub

n8n, PostgreSQL, SQL, JavaScript, ETL, Workflow Automation

- Built an automated ETL workflow to collect, clean, transform, and store internship and job market data in PostgreSQL.
- Extracted required skills from job descriptions using custom skill-matching logic and generated skill-demand summaries.
- Automated scheduled pipeline execution and reporting to identify trending technologies for internship and software roles.

Customer Support Ticket Analytics Pipeline

GitHub

Python, Pandas, SQL, PostgreSQL/MySQL, ETL, Data Analytics

- Processed customer support ticket data by cleaning missing values, formatting dates, and standardizing issue categories.
- Loaded transformed ticket records into a SQL database for structured reporting and analysis.
- Used SQL queries to analyze ticket volume, priority levels, common issue types, and resolution trends.

Real-Time Social Media Trend Analytics Platform

GitHub

Python, Pandas, Streamlit, Scikit-learn, VADER, YouTube Data API

- Built a Sri Lankan food trend analytics platform using YouTube food review data collected through the YouTube Data API.
- Cleaned raw data, extracted food items and areas, calculated engagement rates, and analyzed customer sentiment.
- Developed a Streamlit dashboard with ML modules for trend prediction, engagement prediction, and success score prediction.

AI-Powered Image Super Resolution and Detail Enhancement System

GitHub

FastAPI, Docker, Redis, Celery, JavaScript, AI, Image Processing

- Developed an AI-powered system to enhance low-resolution, noisy, and AI-generated images.
- Practiced backend API integration, Docker-based deployment, asynchronous task processing, and AI workflow design.
- Improved understanding of image processing workflows, scalable backend services, and AI-based software systems.

EventHive Event Booking Platform

GitHub

JavaScript, React/Next.js, Node.js, Express.js, MySQL

- Developed an event booking web platform with event browsing, venue details, and structured navigation flow.
- Improved practical skills in full-stack web development, backend APIs, database concepts, and GitHub-based version control.
- Practiced frontend routing, UI improvements, backend API structure, and database-connected application development.

ADDITIONAL HIGHLIGHTS

- Hands-on experience in building personal projects using GitHub, APIs, databases, dashboards, and backend technologies.
- Familiar with project workflows including planning, coding, testing, debugging, version control, and documentation.
- Strong self-learning ability with interest in data engineering, cloud systems, AI/ML, automation, and software development.
- Creative background in graphic design and video editing, useful for building user-friendly and visually clear applications.

CERTIFICATIONS

- **Crash Course on Python** – Google / Coursera
- **AI Security** – Coursera
- **Google IT Automation with Python** – Coursera

EDUCATION

University of Sri Jayewardenepura

Software Engineering Undergraduate

Sri Lanka
Present

St. Thomas' College

G.C.E. Advanced Level Examination – Physical Science Stream

Results: BBB

Matara, Sri Lanka
Completed 2022

RELEVANT COURSEWORK

Database Management Systems, Software Engineering, Artificial Intelligence, Machine Learning Basics, Software Quality Assurance and Testing, Data Structures and Algorithms, Web Application Development

LANGUAGES

Sinhala – Native — English – Working Proficiency

REFERENCES

Dr. Buddhitha Hettige

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