

SELVAKUMAR SADURSHAN

 0767803584

 sadushansadu33@gmail.com

 Linked-In : [sadurshan](#)

 Git-Hub : [Sadurshan](#)

[My-Portfolio](#)

SUMMARY

Enthusiastic and detail-oriented IT student with practical experience in data science, IoT, programming, business intelligence, and business analysis. Skilled in data visualization, SQL, Python, and project management, with a strong ability to analyze business needs and translate them into actionable solutions. Proven team player who effectively manages projects from conception to completion. Seeking an IT internship to apply technical skills, gain hands-on experience, and contribute to organizational goals.

EDUCATION

SLIIT

Bachelor's Degree in Data-Science
2023– Present

IOT

Esoft Metro Campus

certificate level of BCS Higher Education Qualification (HEQ)

BCS, The Chartered Institute for IT

SKILLS

- Programming Languages: R , C, Java , Python , C++, kotlin
- Web Development: MERN Stack , Spring-Boot
- Mobile Development: Android Application Development
- UI/UX Design: UI Designing , Figma , Draw.io
- Data-warehousing
- Tools : Power-BI , Trello , Kanban board
- Other Skills: Communication , Team-Work

CERTIFICATIONS

- Introduction to Party Rock : AWS Educate
- Prompt Engineering : Greeting Learning
- Introduction to Generative Ai : AWS Educate

ON-GOING CERTIFICATION

- Ai Vector Associate : Oracle University
- Certifaction on Data-Analyst

PROFESSIONAL EXPERIENCE

student counselor : Primeleed Management

- Acted as the primary point of contact for UK clients and universities, facilitating effective communication and building strong professional relationships.
- Provided personalised guidance and support to students regarding course selection, university admissions, and application processes.
- Collaborated with a team to consistently achieve monthly targets related to student enrolment and client satisfaction.
- Assisted in organising webinars and information sessions to promote educational opportunities and university programmes.
- Maintained accurate records of student interactions and application statuses to ensure smooth processing and follow-up.

Course-Consultant Officer

- Conducted interactive workshops to introduce and explain e-club courses in detail.
- Enabled students to gain hands-on knowledge and practical skills through these sessions.
- Promoted e-club courses actively on social media platforms to increase awareness.
- Created engaging content and regular updates to attract a wider student audience.
- Encouraged more students to join and benefit from the learning opportunities offered by the e-clubs.

PROJECT

Skill-Sharing Platform : Skill-Sync

- Technologies Used: Spring-boot, react, Tailwind-css
- Users can register, log in, and manage their profiles with personalized dashboards.
- Enables users to post content such as tips, tutorials, and skill updates in a blog-style format.
- Integrated commenting and interaction system to foster discussion and peer feedback.
- Built-in course management module allows users to enroll in skill-based courses, track progress, and explore learning materials.
- Supports exam management, allowing users to take skill assessments, view results, and monitor their learning journey.

Face Recognition System

- Technologies Used: Python, OpenCV
- Created a real-time face detection tool that identifies human faces using OpenCV's Haar cascade classifiers.
- Incorporated a unique feature to frame detected faces inside a triangle for visualization.
- Applied computer vision techniques to detect, process, and display facial data from video input.
- Demonstrated the potential of AI in security and biometric authentication systems.
- Focused on high detection accuracy and smooth performance during live feed processing.

Data cleaning and visualization Using Python

- Conducted exploratory data analysis (EDA) on Netflix's dataset using Python to identify trends in content release, genre distribution, and ratings.
- Utilized Pandas for data cleaning, manipulation, and transformation of missing and inconsistent values.
- Designed and implemented visualizations using Matplotlib and Seaborn to illustrate patterns across genres, release years, and content types.
- Generated interactive and static visual reports to communicate key insights effectively.
- Improved data storytelling and visual design by focusing on readability, clarity, and aesthetics.

Coding Hours Prediction Using Linear Regression

- Developed a simple linear regression model in R to predict performance based on daily coding hours.
- Used readr, dplyr, and ggplot2 for data loading, cleaning, and visual exploration.
- Visualized the data and regression fit using scatter plots and regression lines with ggplot2.
- Performed diagnostic checks to validate the five key regression assumptions:
 - Linearity – confirmed via scatter plot and residual vs. fitted plots
 - Independence – verified using Durbin-Watson test
 - Homoscedasticity – checked with residual plots
 - Normality of residuals – assessed via Q-Q plot and Shapiro-Wilk test
 - No multicollinearity – ensured by using a simple model with one predictor
- Evaluated model performance using R^2 , Adjusted R^2 , and residual analysis.
- Enhanced skills in statistical modeling, diagnostics, and interpretability using R.

Data - Ware housing

- Technology used : SQL Server Integration Services (SSIS), SQL Server Analysis Services (SSAS), Power BI Excel Microsoft SQL Server
- Data Warehouse & ETL Project | Star Schema + SSAS + Power BI
- ETL Pipeline: Complete ETL process (Extract, Transform, Load) into a data warehouse.
- Star Schema Design: Dimensions (Customer, Product, Date) and Measures (Total Sales, Quantity Sold, Profit).
- Cube Deployment: Deployed to SQL Server Analysis Services (SSAS) as a Multidimensional Model.
- Features Supported: Drill-down, Slice and Dice, and Aggregation functionalities for advanced analysis.
- Data Visualization: Visualized using Power BI dashboards and Excel Pivot Tables for insightful reporting.
- Advanced Skills: Demonstrates expertise in data warehousing, OLAP cube deployment, and business intelligence reporting.

Data-Cleaning Using R : Data-Set : Iris Custom

- Technology Used : R, mice, ggplot2, VIM, dplyr, tidyr, readr
- Performed advanced data cleaning and exploratory visualization using R.
- Focused on handling missing data using the mice package with multiple imputation techniques.
- Used a modified version of the Iris dataset with synthetically introduced missing values.
- Detected and reported missing values across numerical and categorical features.
- Applied imputation techniques such as predictive mean matching (pmm) and polytomous logistic regression (polyreg).
- Converted categorical columns into factors to enable proper imputation.
- Density plots for comparing distributions of original vs imputed data
- Strip plots to highlight observed vs imputed values
- Boxplots for detecting numerical outliers
- Bar plots to analyze frequency of imputed categorical data
- data_cleaning.R for preprocessing and imputation
- data_visualization.R for plotting and analysis