Surya Govindasamy Ganesan: Aspiring AI Dev

Hi! I’m Surya and I’m a Business Analyst

I’m a self taught programmer interested in AI development, currently working as a business analyst.

I help business users capitalise on their data resources.

📭 Contact Details

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Github profile: [@cod-ux](https://github.com/cod-ux)

Project Portfolio

Completed Projects

1. Pregnancy Predictor (University)

Project description: Built a model that correctly predicts pregnancies in households based on a given data set of customer’s purchase history from a local store.

Methodology:

- Identified and filtered features with high predictive power through a \**Chi-Squared*\* test all of which were categorical.

- Built the predictive tool with \**logistic regression*\* since the output variable was binary categorical.

- Chose the optimal cut-off value at the \**pregnancy probability*\* with the least error rate.

Results:

The optimal cut-off value for \**pregnancy probability*\* was at 50%.

2. A Minimalist’s Budgeting app

Project description: A budgeting dashboard built for mobile with Flutter for the frontend and Python (Flask) for the backend.

Key Features

- Suggests and tracks the daily budget of the user based on budgeting goals

- Teases the user with positive & negative memes based on the user’s budget health

- Forecasts and predicts the runway of the user’s allocated budget for the month

Result

Worked with startup mentors from the \**[Who’s Fabio?*\*](https://www.whosfabio.com) community to identify a value proposition and launch for the student community.

Quote from startup mentor: \**“You’ve done a really good job identifying struggles that we’ve noticed the in the market as well and building a value proposition”*\*

Github repositories for the Guilty project:

Flutter frontend: [https://github.com/cod-ux/guiltyv4.git](https://github.com/cod-ux/guiltyv4.git)

Python server code: [https://github.com/cod-ux/server.git](https://github.com/cod-ux/server.git)

Ongoing Projects

3. Deal Success Predictor (SAP)

Project description: A python based \**Scikit-learn*\* model that predicted if a sales deal would close within the next quarter or not.

Methodology:

- Created a data set of 100 deals with 22 features, half of the deals won within one quarter of engagement and the other half stagnant or lost.

- Conduct exploratory data analysis and hypothesis testing with \**Scipy*\* and \**pandas*\* to filter significant features

- Built and train a \**Random Forests*\* model to predict deals that will are likely to close within a quarter

Initial results & Challenges:

- With initial results, model shows an accuracy of 75% with labelled test data.

- Model is being tested to use for prioritising deals to support by a support team in the enterprise

- When used with new unlabelled data, model wrongly predicted stagnant deals to be good deals according to subject matter experts.

Note: The data used for this project belongs to the employer and is hence confidential

FAQs

\*\***About me**\*\*

- What programming languages do I know?

- Python

- SQL

- What skills have I developed?

Hard Skills

- Excel

- PowerBI

- Python

- Data Analysis

- Flask

- pandas, numpy

- sklearn

- Fastai

Soft Skills

- Executive communication

- Market Research

- Presentation Skills

- Content Writing

- What are some python frameworks I am familiar with?

- Flask

- pandas, numpy

- sklearn

- Fastai

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- How many years of professional experience do I have?

- Marketing Co-ordinator at a Fintech Startup (6 months)

- Value Advisor at SAP (13 months)

(Business student at Leeds, graduating Sept 2025)