

# Ajeebba Yasmin

## Data Scientist

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An enthusiastic and self-motivated Data Scientist with hands-on experience in analytics, statistical modeling, and Python-based data workflows. Skilled in translating complex business requirements into analytical solutions through data-driven insights, visualization, and storytelling. Proficient in Python, SQL, and BI tools with a strong foundation in regression, time-series forecasting, and machine learning. Adept at collaborating with cross-functional teams to deliver actionable insights through dashboards. Known for meticulous attention to detail, logical problem-solving, and a continuous improvement mindset..

**Primary Skill :** Python ,EDA,Feature Engineering,Stream lit,Power Bi,Dax,Data Cleaning and Data Visualisation

**Secondary Skills:** Prompt Engineering ,NLP,Machine Learning ,Deep Learning ,Pandas ,Matplotlib, Seaborn, Scikit-Learn, Transformers and Numpy

## PROJECTS

### CAR PLATE BLURRER

OCTOBER 2025

- Developed a real-time Streamlit web app using OpenCV to automatically detect and blur vehicle license plates in uploaded images, ensuring privacy and data protection.
- Implemented Haar Cascade-based detection for license plate localization and Gaussian blur filters for anonymization with adjustable parameters.
- Built a user-friendly interface with Streamlit, supporting live image upload, preview, and secure one-click download of processed images.

### STOCK MARKET FORECASTING

OCTOBER 2025

- Developed and deployed a time-series forecasting dashboard using LSTM neural networks to predict Indian stock prices, applying techniques relevant to Supply Chain Analytics.
- Implemented data preprocessing and scaling (MinMaxScaler) with interactive Streamlit visualizations, showcasing skills in BI, data storytelling, and insight generation.
- Built a scalable ML pipeline with TensorFlow for automated data acquisition, model training, and inference, demonstrating strong Python and analytical problem-solving abilities.

### SPAM DETECTION WEB APP USING NLP AND MACHINE LEARNING

SEPTEMBER 2025

- Built and deployed a Streamlit web app to classify emails/messages as spam or legitimate.
- Implemented Multinomial Naïve Bayes with CountVectorizer for text preprocessing and feature extraction.
- Developed a full ML pipeline with real-time predictions and confidence scoring.
- Demonstrated practical application of NLP, machine learning, and model deployment in Python

### EXPLORATORY DATA ANALYSIS AND REVENUE INSIGHTS ON APPLE APP STORE DATASET

AUGUST 2025

- Conducted data cleaning and preprocessing on Apple App Store dataset, handling missing values ,duplicates ,genres and insights.
- Performed EDA using Python, Pandas, Matplotlib, and Seaborn to analyze app pricing, ratings, size, and
- Calculated estimated revenue to identify top-earning apps and genres with visualizations for actionable
- Applied data analysis techniques to generate business insights and trends from real-world app store data.

### ADVENTURE WORKS PROJECT USING POWER BI

JUNE 2025

- Utilised Power BI to perform data cleaning, data transformation, and data modelling by establishing relationships between datasets using star schema and snowflake schema.
- Created multiple DAX measures for advanced calculations and performance tracking.
- Designed and developed five interactive dashboards for product analysis, customer profiling, geographic mapping, and executive reporting.
- Delivered insights on sales trends, customer demographics, and product performance to simulate real-world business intelligence solutions

### DEVELOPMENT OF PERSONALIZED DIETARY PLANS AND SOFTWARE TO ENHANCE BONE AND COGNITIVE HEALTH IN THE AGING POPULTION

NOVEMBER 2024

- Designed a personalized nutrition plan targeting bone health and cognitive function for elderly individuals using dietary, health, and lifestyle data.
- Developed a digital meal-planning and tracking tool to assist elderly users, caregivers, and nutritionists applying tailored dietary strategies.
- Integrated nutrient optimization for calcium, vitamin D, omega-3 fatty acids, and antioxidants to address osteoporosis risk and cognitive decline.

## EDUCATION

### Bachelor of Technology

2021 - 2025

Rajalakshmi Engineering College Majors: Food Technology

**Higher Secondary Education** SBOA Matriculation Higher Secondary School

### LANGUAGES

English

Tamil