

JANA PALANISAMY

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TECHNICAL SKILLS

Languages/Software: Python, C++, C, JAVA, JavaScript, HTML, CSS.

Libraries/Frameworks: Scikit-Learn, Pandas, Numpy, Keras, Matplotlib, Seaborn, TensorFlow, RASA.

Databases and Tools: MySQL, MongoDB, PostgreSQL, Kafka.

Software/Cloud: AWS, GCP, Git, Heroku, Docker, Amazon Sagemaker.

Analytical Skills: Regression Analysis, Classification, Clustering, Machine Learning, Decision Trees, Natural Language Processing, Time Series, ETL, ML DevOps, AI, Data Warehouse.

EDUCATION

Master of Science in Software Engineering, Specializing in Data Science

Jan 2021 - Present

San Jose State University, San Jose, CA, USA

Bachelor of Technology in Software Engineering

Aug 2015 - May 2019

SRM Institute of Science and Technology, Kancheepuram

EXPERIENCE

Software Developer (Intern) | Tekafforde, Bangalore, India

Sep 2019 - Apr 2020

- Worked on a product called Afforde ERP, a cloud-based ERP Web application. Developed Accounts Receivable and Accounts Payable (View) using HTML, Java, JavaScript, and Play framework.

PROJECTS

PowerCo Churn Analysis (BCG GAMMA - Virtual Internship)

- Explored more than 3GB of CRM data and built machine learning pipelines to accurately predict customer churn by 75%.
- Conducted discount-impact analysis to develop optimal discount strategy, increased annual revenue by \$61K.

FundGalaxy

- A one-stop solution where various organizations and potential investors can register themselves, fill out the necessary information to easily attract/find and interact with each other.
- Designed a smart search recommendation system that can streamline the process of finding potential investments/investors using CrunchBase data and deployed it on Heroku via REST API.

Virtual Assistant (Chatbot)

- Developed a responsive AI-powered chatbot to handle customer queries regarding food order takeaways. Built using conversational AI platform called RASA.

Store Sales - Time Series Forecasting

- Built a model using CalenderFourier and DeterministicProcess to forecast store sales on data from Corporación Favorita, a large Ecuadorian-based grocery retailer.
- Implemented a custom regressor using Ridge and Random Forest models to achieve an RMSLE score of 0.42.

AWARDS, HONOURS, AND INVOLVEMENT

- Ranked among the top 3 in the Machine Learning Competition for cardiovascular disease prediction with an accuracy of 80% - *SJSU, Spring 2021*.
- Represented State of Tamil Nadu in Senior National Soccer Tournament (India) - 2018.