

SIDDHARTH KAMBLE

AI SCIENTIST



CONTACT



Phone
9970720877



Email
siddharthsk7697@outlook.com



Address
Nisarg Apt., Chakan, Pune
410501



EDUCATION



2018
Bachelors in Engineering
Pune University | First Class



TECHNICAL SKILLS

Languages: Python, SQL
Database: MySQL, MongoDB
Data Viz Tools: PowerBI
Web Stack: Flask
Containers: Docker, AMI, Kubernetes
Cloud Platform: AWS, AZURE



ML & DATA SCIENCE

Machine learning: Linear Regression, Ridge & Lasso Reg., Elasticnet, Logistic Regression, Naïve Bayes Classifier, K Nearest Neighbour, Support Vector Machine, Decision Tree, Random Forest, Gradient Descent, Ada-Boost, Gradient Boosting, Catboost, XGBoost, Kmeans Clustering, DB scan

Time-Series: AR, MA, ARIMA, SARMAX models

Deep Learning: Neural Networks, ANN, CNN, DNN, Transfer Learning, Back Propagation, Activation & Loss functions

Cloud : AWS Elastic Compute Cloud, Elastic Beanstalk, Sagemaker, Simple Storage Services S3, Deployment, Azure Compute Cloud, Databricks



CERTIFICATIONS

- **CompTIA A+** (Hardware & Networking)
- **JLPT N4** (Japan Foundation)



PERSONAL DETAILS

DOB: 07 - Jun - 1997

- Languages:
- English
- Japanese (日本語)
- Hindi
- Marathi



SUMMARY

- 3.4 years of Experience as a **Data Scientist** using **ML** Algorithms and **Computer Vision**.
- Working Experience & Extensive knowledge in Python with libraries such as **Sklearn**, **TensorFlow**, Numpy, Pandas, Matplotlib, Seaborn, Flask, PowerBI. Worked on tools - Visual Studio Code, Jupyter Notebook/lab
- Recognized and got appreciated by clients to deliver efficient solutions.
- Have Excellent communication and agile team working experience.



WORK EXPERIENCE



AI SCIENTIST HCL, PUNE

Dec 2019 - Present
3.4 Years



Project: Price Elasticity of Demand Analysis

Domain: **Retail / Manufacturing**

Developed a pricing strategy and optimising inventory management to increase sales and compete with rivals in the electronic accessories market by using concept of Price elasticity of Demand.

Roles & Responsibilities:

- Actively Involved in daily standup calls and task assigned on Jira.
- Collected and analysed sales, pricing, and inventory data.
- Developing and implementing **data pipelines** to automate data collection and analysis.
- Segmented data based on **Price Elasticity**.
- Built and Trained the forecasting model using **SARMAX**.
- Worked with IT and engineering teams to integrate the models into the company's existing systems and processes.
- By optimizing inventory levels, reduced inventory holding costs by **15%**
- By optimizing pricing strategies, increased revenue by **10%**



Project: Product Advertising Relevancy Prediction using Deep Learning

Domain: **Marketing**

Analysing videos of Twitch streamers using object detection to determine if the creator is actively or passively advertising products, providing insights to clients on the value of individual creators

Roles & Responsibilities:

- Scraped video data from Twitch API and preprocessed the data using **OpenCV**.
- Performed **Annotation** and data engineering on the custom images.
- Developed and trained **YOLO object detection** model to detect different products in the videos.
- Analysed frames using **Optical flow** to determine relevancy of product advertisement.
- Collaborated with stakeholders to provide recommendations on which creators are valuable.
- Continuously staying up to date with the latest developments in deep learning and incorporating new techniques and tools into the project as appropriate.



Project: Customer Conversion Prediction

Domain: **E-Commerce**

The project involves building a predictive model using machine learning algorithms to classify website visitors into two groups - those who are likely to make a purchase and those who are not.

Roles & Responsibilities:

- Developing and implementing data pipelines to automate data collection and analysis.
- Deployed using **Docker** and **Github actions**, ensuring seamless and efficient deployment processes.
- **Documenting** the entire process, including data pipelines, model development, evaluation, and deployment, to ensure that the work is reproducible and scalable.



Graduate Engineering Trainee Bharat Electronics Limited, Pune

2018 - 2019
1 Year



FREELANCING

Trend Visualization Reporting - Gestamp automotive india, pvt.ltd. (Jun2021)
Developed and implemented a quality dashboard using PowerBI and CM4D, which provided real-time visibility into key quality metrics and enabled stakeholders to make data-driven decisions.

Candidate Diversity Viz Dashboard - Adiraj manpower services pvt.ltd (Dec2020)
Utilized PowerBI to create a candidate diversity dashboard, which was then implemented to monitor diversity metrics at every stage of the recruitment process.