Abbinav Sankar Kailasam

abbinavsankar2003@gmail.com | (+91) 9361372623 | Chennai, India

EDUCATION

SAI UNIVERSITY
Bachelor's in Computing and Data Science (B.Tech)
Grad. May 2025 | Chennai, India
Cum. GPA: 9.0 / 10.0

CHENNAI PUBLIC SCHOOL
CBSE | CS, Math, Science
Grad. June 2021| Chennai, India
10th Grade : 95%
12th Grade : 85%

LANGUAGES

English • Tamil • Hindi

SKILLS

PROGRAMMING
Proficiency of 1000+ lines :
Python • R • SQL - Amazon Redshift
Proficiency of 250+ lines :
C • Julia

SOFT SKILLS
Presentation
PPT • Google Slides • Canva
Documentation
Word • Google docs • LaTeX

COURSEWORK

UNDERGRADUATE
Deep Learning (Tensorflow, Keras and PyTorch)
Machine Learning (Scikit-Learn and Statsmodels)
Statistics for Data Science (R and Julia)
Distributed Computing and Big Data
Data Structures and Algorithms
Theory of Computation - Automata
Quantum Computing (QISKIT)
Numerical Methods
Probability and Statistics with R
Linear Algebra
Single and Multivariate Calculus
Introduction to Economics

LINKS

LinkedIn: Abbinav Sankar Kailasam
Github: AbbinavSK
Portfolio: Drive

EXPERIENCE

TITAN COMPANY LIMITED | Data Analyst Intern
May 2023 - July 2023

- Intern at Titan's watches "**Analytics and Insight**" division (1st intern hired by the division).
- Successfully developed a time-series model that can forecast Titan and Fastrack smartwatch sales for the next 6 months.
- Skills: Logical Reasoning, Time-Series modelling using **ARIMA, SARIMAX, Prophet, RNNs**, Visualization using **Plotly**
- Tools: **Amazon Redshift, Python, Excel**

SAI UNIVERSITY | Academic Representative
Oct 2022 – Oct 2023 | Chennai, India

- Got elected as the **Academic Representative** of Sai University by student body.
- Organized weekly meetings with Dean to voice the general concerns of the student body.
- Organized talent showcases and debate contests with the aim of promoting and fostering public speaking skills.
- Skills: Public Speaking, Documentation in formal language

PROJECTS

TRANSFER LEARNING CNN MODELS | Data Science Project
Dec 2023 - Present

Classification of Ornamental flower images into 5 types using **Transfer-learning and Fine-tuning** of 3 popular CNNs - **InceptionResNetV2, EfficientNetV2B0 and ConvNeXtTiny**. Finally the best performing fine-tuned models of each are ensembled with majority-rule voting. **[Link]**

- Tools: **Python - numpy, Tensorflow**

PREDICTIVE MODELLING | Data Science Project
Oct 2023 – Dec 2023

Using **regression and classification modelling techniques** to classify wine samples into different grades of quality (1-10). Maximising inferences derived from the dataset. **[Link]**

- Tools: **R: Regression, LDA**, Feature selection, Feature engineering

RETAIL SALES FORECASTING | Titan Internship
June – Aug 2023

Implemented a variety of time series algorithms (ARIMA, SARIMAX, Prophet, RNN) to **forecast smartwatch sales** for the next 6 months.

- Achieved a mean absolute percentage error of 3% with SARIMAX algorithm.
- Tools: **Python** - **Scikit-Learn**, **Statsmodels**, **Plotly**

CLASSICAL MACHINE LEARNING | ML Project
April – June 2023

Implemented a variety of classical ML techniques (Polynomial Regression, SVM, DecisionTrees, RandomForest, AdaBoost, GradientBoost, etc.) for making predictions on two separate datasets.

- **Regression** - Predicting the **Spatio-temporal water quality** indicated by median pH value. Achieved a root mean squared error of 0.0293 using MLR. **[Link]**
- **Classification** - Predicted whether a **Mushroom is edible or poisonous**. Achieved an accuracy and F1 score of 1.0 using Gradient Boost classifier.**[Link]**
- Tools: **Python** - **Scikit-Learn**, **Numpy**, **Pandas**, **Matplotlib**, **Seaborn**