

Abbinav Sankar Kailasam

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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

Proficiency of 500 lines :

SQL - Amazon Redshift • C

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

Quantum Computing (QISKIT)

Numerical Methods

Probability and Statistics with R

Linear Algebra

Single and Multivariate Calculus

Principles of Economics

Foundation of Economics

LINKS

LinkedIn: Abbinav Sankar Kailasam

Github: AbbinavSK

Portfolio: Drive

EXPERIENCE

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

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).
- Worked under Head of watches analytics and insight team on **monthly retail sales forecast** for Smartwatches - Titan, Fastrack
- Successfully developed a time-series model that can forecast smartwatch sales for the next 6 months.
- After completion, presented the forecast to the Titan watches retail head for confirmation.
- Skills: Logical Reasoning, Time-Series modelling using **ARIMA, SARIMAX, Prophet, RNNs**, Visualization using **Plotly**
- Tools: **Amazon Redshift, Python, Excel**

PROJECTS

CONSULTANCY 2.0 | Consultancy Project | Oct 2023 – Present

- Workshop conducted by IIT Madras exploring the job of a management consultant.
- Worked on a problem statement of Asclep's (Freyja - blood testing device) market entry into India.[\[Link\]](#)

PREDICTIVE MODELLING | Data Science Project | Oct 2023 – Present

Using statistical and probabilistic modelling techniques to classify samples into **Red or White wine**. Maximising inferences derived from the dataset.

- R: Hypothesis testing, Confidence Intervals, MLE, LDA

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. [No reference due to confidentiality]

- Achieved a mean absolute percentage error of 3% with SARIMAX algorithm.
- Tools: **Python - Scikit-Learn, Numpy, Pandas, Matplotlib, Seaborn, 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**