

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 500+ 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

SAI UNIVERSITY | ELECTION COMMISSION MEMBER

Oct 2023 - Present | Chennai, India

- The Election Commission of Sai University was founded to conduct and regulate the Student government election.
- Worked to document the regulations of the elections and the position statements of the candidates.
- Skills: Documentation in formal language

PROJECTS

PREDICTIVE MODELLING | Data Science Project | Oct 2023 - Present

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

- 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