

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 • C • SQL

Proficiency of 500+ lines :

Julia

SOFT SKILLS

Presentation

PPT • Google Slides • Canva

Documentation

Word • Google docs • \LaTeX

Spreadsheets

Excel • Google Sheets

COURSEWORK

UNDERGRADUATE

Deep Learning (Tensorflow, Keras & PyTorch)

Machine Learning (Scikit-Learn)

Data Structures and Algorithms

Database Management Systems

Statistics for Data Science (R)

Time Series analysis(R and Python)

Financial Modelling with Python

Distributed Computing and Big Data

Theory of Computation - Automata

Compiler Design (C)

Mathematics for Data Science

Corporate Finance

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.
- Successfully developed a time-series model that can forecast Titan and Fastrack smartwatch sales for the next 6 months.
- Achieved a mean absolute percentage error of 3% with SARIMAX algorithm.
- Skills: Modelling using AR, MA, ARMA, ARIMA, SARIMAX, LSTM
- Tools: Excel, Amazon Redshift, Python :- Scikit-Learn, Statsmodels

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.
- Organized talent showcases and debate contests with the aim of promoting and fostering public speaking skills.
- Skills: Public Speaking, Documentation

PROJECTS

MOVIE REVIEW SENTIMENT ANALYSIS | NLP PROJECT

Dec 2023 - Jan 2023

Classification of imdb movie reviews into "good" or "bad" review using a **transformer model with 2 encoder blocks**.

- Tools: Python :- Tensorflow, Keras, KerasNLP

ORNAMENTAL FLOWER CLASSIFICATION | CV PROJECT

Dec 2023 - Jan 2023

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

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

CERTIFICATIONS | RELEVANT COURSES & WORKSHOPS

- Large Language Models - IIT Madras Workshop [\[Link\]](#)
- GPT from Scratch - IIT Madras Workshop [\[Link\]](#)