

# 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)

Statistics for Data Science (R and Julia)

Time Series analysis(R and Python)

Financial Modelling with Python

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.
- Achieved a mean absolute percentage error of 3% with SARIMAX algorithm.
- Skills: Time-Series modelling using ARIMA, SARIMAX, Prophet, RNNs
- Tools: Excel, Amazon Redshift, Python :- Scikit-Learn, Statsmodels, Plotly

### 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

### FACIAL RECOGNITION SYSTEM | COMPUTER VISION PROJECT

Jan 2023 - Present

Build a facial recognition based attendance application in Python using Tensorflow, Keras while also experimenting with haar cascades and YOLOv8.

- Tools: Python :- OpenCV, Tensorflow

### TRANSFER LEARNING CNN MODELS | DEEP LEARNING 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, Numpy, Pandas, Matplotlib, Seaborn