



CONTACT

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GitHub:
<https://github.com/AyushmanGHub>

Location:
Jamshedpur, Jharkhand, India

SKILLS

Programming Languages:
R, Python, SQL

Statistical Programming
Proficient in Python and machine learning modules Pandas, NumPy, Matplotlib, Plotly, Seaborn.

Problem Solving

LANGUAGES

- English
- Hindi (Native language)

Ayushman Anupam

Data Science Student

PROFILE

I am a Data Science student with a strong passion for learning and exploration. With a background in Mathematics, I have developed a keen interest in areas such as Statistics, Probability, Graph Theory, and Economics. I have worked on ML projects involving Recommender Systems, Credit Risk Modeling, and an R-Shiny Dashboard for analyzing Amsterdam house prices.

EDUCATION

Chennai Mathematical Institute M.Sc in Data Science Key subjects: SQL and RDBMS, Python, Data Visualization, Mathematical Analysis, Linear Algebra.	Chennai, Tamil Nadu August 2024 – Present
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Indian Statistical Institute BMaths. (Hons.) Key subjects: Probability, Statistics, Optimization, Computer Science, Economics and Graph Theory.	Bangalore, Karnataka 2020 – 2024
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PROJECTS

CreditRisk - Predicting Borrower Reliability <ul style="list-style-type: none">• Developed and implemented multiple classification models to identify customers at risk of credit default and assess the associated lending risk.• Evaluated each model and got accuracy of 0.97, recall and precision of 0.89 and 0.79 for defaulters and 0.98 and 0.99 for non-defaulters.• Compared feature selection and feature weigh of each feature with different model to identify key features associated with credit default. Project link: CreditRisk-Predicting-Borrower-Reliability	Jan 2022
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Heartbeat Sentinel - Predicting Heart Failure <ul style="list-style-type: none">• Developed, optimized and implemented Random Forest and XGBoost models to predict heart failure risk, achieving 90% accuracy.• Deployed a Streamlit app to classify heart risk.• Performed data preprocessing, feature selection, and model evaluation using metrics such as accuracy, precision, recall, F1-score, and ROC-AUC.• Analyzed results to identify key risk factors and enhance early warning systems for heart disease. Project link: Heartbeat Sentinel - Predicting Heart Failure	Nov 2024
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Chennai Temperature and Precipitation Forecasting <ul style="list-style-type: none">• Developed and implemented a time-series model for weather forecasting including daily average, minimum, and maximum temperatures for Chennai, achieving RMSE values of 1.21, 1.31, and 1.84, respectively.• Utilized MultiOutputRegressor with LGBMRegressor for model training and evaluated performance using metrics such as MAE, MAPE, and RMSE to ensure accuracy and reliability Project link: Chennai Temperature and Precipitation Forecasting	Oct 2024
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POSITION OF RESPONSIBILITY

- Volunteered in Blood Donation Camp
- Volunteering in NGO
"Malakar Kalyan Samiti, Jharkhand"
- Served as Treasurer in Interact Club,
2016-18 (School Branch of Rotary club)

ACHIEVEMENTS

- **GATE 2024** (Statistics): AIR 271
- **Indian Statistical Institute (ISI)**
MS QMS 2024 Entrance Exam: Rank 1
- JEE Mains, 2020 all India Rank - 4652
- JEE Advance, 2020 all India Rank - 7658

INTERSHIPS

Data Scientist internship

Dec 2024

At: **COTHON SOLUTIONS**

- Developed machine learning models for customer segmentation, e-commerce recommendations, and heart risk prediction.
- Evaluated methodologies, results, and insights for each project to ensure accuracy and effectiveness.

Finance and Stock Market Internship- trainee

Nov 2024 – Dec 2024

At: **CAPITAL VISION INVESTMENT**

- Gained foundational knowledge in financial and investment markets, including mutual funds, NPS, FD, and tax-saving options.
- Contributed to portfolio management, risk management, stock selection, while exploring career opportunities in the finance industry.

SKILL DEVELOPMENT CERTIFICATIONS

- **Machine Learning Specialization:** [DeepLearning.AI](#)
 - a. Unsupervised Learning, Recommenders
 - b. Supervised Machine Learning: Regression and Classification
 - c. Advanced Learning Algorithms
- **Decision Tree, Random Forest, AdaBoost and XGBoost in Python:** [Udemy](#)
- **Game theory:** [Stanford University](#)
- **Data Structure and Algorithm:** [Udemy](#)
- **Preparatory Certificate in Finance and Financial Markets :** [CFI](#)