



CONTACT

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

Location:
Jamshedpur, Jharkhand, India

SKILLS

- **Programming Languages:**
R, Python, SQL
- numpy, pandas
- seaborn, matplotlib, plotly
- Problem Solving

LANGUAGES

- English
- Hindi (Native language)

Ayushman Anupam

Data Science Student

PROFILE

I am a Data Science student with a deep passion for learning and exploration. Coming from a strong Mathematics background, I have developed a keen interest in areas such as Statistics, Probability, Statistical Inference, Graph Theory, and Economics. I'm particularly enthusiastic about applying my knowledge in data-driven fields like machine learning, statistical modelling, and data analysis and visualization.

EDUCATION

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

Heartbeat Sentinel - Decoding and Predicting Heart Failure Nov 2024

- Developed and implemented Random Forest and XGBoost models for predicting heart failure risk using diverse clinical datasets.
- Conducted data preprocessing, feature selection, and model evaluation using metrics like accuracy, precision, recall, F1-score, and ROC-AUC.
- Analyzed results to identify critical risk factors and support early

Project link: [Heartbeat Sentinel - Decoding and Predicting Heart Failure](#)

Chennai Temperature and Precipitation Forecasting Oct 2024

- Developed and implemented a robust weather forecasting solution to predict daily average, minimum, and maximum temperatures for Chennai.
- Used MultiOutputRegressor with LGBMRegressor for model training data.
- Evaluated model performance using metrics such as MAE, MAPE, and RMSE to ensure accuracy and reliability and analyzed features and optimized the model to improve forecasting precision.

Project link: [Chennai Temperature and Precipitation Forecasting](#)

Availability, Accessibility and Inequality of WASH Dec 2022

Mentor: Prof. Rituparna Sen

Indian Statistical Institute, Bangalore

- Conducted an in-depth analysis of inequality in access to Water, Sanitation, and Hygiene (WASH) services across six major Indian cities of India.
- Used indices such as Gini, Theil, and Atkinson for disparities and track improvements in WASH services.

Project link: <https://www.isibang.ac.in/~rsen/Stat1/2.pdf>

POSITION OF RESPONSIBILITY

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

HOBBIES

Reading Novels and Mangas,
Watching Anime, Cooking,
Teaching

INTERNSHIPS

Data Science internship

Dec 2024

At: **COTHON SOLUTIONS**

- Developing machine learning projects for Customer Segmentation, Ecommerce Recommendations, Heart-Risk prediction, etc.
- Presented methods, results, and insights of each project to team.

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 COURSES

- **Machine Learning Specialization:** [Coursera Online Certification](#)
 - 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:** [Coursera Online Certification](#)
- **Data Structure and Algorithm:** [Udemy](#)
- **Basic Python and Python for Data Science:** [IBM](#)
- **SQL complete Bootcamp from Basics to Advanced:** [Udemy](#)
- **ChatGPT and GPT-4 LLM Guide- Prompt engineering:** [Udemy](#)

ACHIEVEMENTS

- **GATE 2024:** All India Rank 271, Statistics
- Rank 1 in **MS QMS 2024** entrance Examination
Indian Statistical Institute
- JEE Mains, 2020 all India Rank - 4652
- JEE Advance, 2020 all India Rank - 7658