A R Hrudayabhiram

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EDUCATION

- **Panimalar Institute of Technology** — Chennai, India
  Bachelor of Technology - Artificial Intelligence and Data Science; CGPA: 8.11   August 2021 - August 2025
  - Courses: Data Structures, Artificial Intelligence, Machine Learning, Data Analysis, Operating Systems

SKILLS SUMMARY

- **Languages**: Python,SQL
- **Databases**: MySQL, PostgreSQL
- **Visualization Tools**: PowerBI, Pandas, Matplotlib, Seaborn
- **Frameworks and Platforms**: Django , Azure
- **Other Skills**: Data Analytics, Machine Learning, Statistics, Excel, Leadership, Communication

EXPERIENCE

- **National Institute of Technology, Tiruchirappalli** — On-Site
  Data Science Intern ⍟   May 2024 - July 2024
  - **Goal**: Developed a **Mental Health predictive analytics model** with **BERT** embeddings to classify mental health conditions from text by Coordinating and leading a team of 2 interns
  - **Impact**: Accomplished project targets through strategic planning and use of SVM, Naive Bayes, RNN algorithms, and BERT reaching an 85% accuracy rate

- **EY-GDS, AICTE** — Remote
  Data Analyst Intern   Jan 2024 - April 2024
  - **Goal**: Initiated a data-centric approach used k-means clustering through Python; findings helped pinpoint major causes behind low engagement rates. Designed **Power BI** dashboards to visualize segmentation insights
  - **Impact**: Built a predictive model to **segment customers** based on various factors, categorized 10,000+ customers into actionable groups. achieving an accuracy rate of 80% in segment identification.

- **Trios Technologies** — On-Site
  Artificial Intelligence Intern   Jul 2023 - Aug 2023
  - **Impact**: Analyzed AI frameworks and Engineered an **RNN** model using Python, TensorFlow, and Keras to generate unique **musical compositions** and achieved a 82% model accuracy

PROJECTS ⍟

- **Assessment of Marginal Workers in Tamil Nadu** *(Tech: Python, Machine Learning, Power BI)*:
  - Conducted comprehensive analysis of 1,500 records related to marginal workers in Tamil Nadu, employing Python and Power BI to extract critical insights into workforce demographics across 30 industrial sectors.
  - Applied **K-Means clustering** to classify workforce patterns, and built a **Decision Tree Classifier** achieving 85% accuracy in predicting industrial categories of workers.

- **SHOP EZ – E-commerce Platform (MERN Stack)** *(Tech: MongoDB, Express.js, React.js, Node.js)*:
  - Designed a responsive e-commerce platform by implementing user authentication and secure payment integration with Razorpay and Created an admin dashboard to streamline product management and enhanced user experience
  - Optimized database queries with **MongoDB Aggregation Framework**, reducing response time by 40%.

- **Mental Health Prediction Using BERT** *(Tech: Python, NLP, BERT)*:
  - Developed a machine learning model that employs BERT embeddings to predict mental health conditions using a training dataset of 2,800 records, and executed NLP models utilizing Keras and Python.
  - Delivered an 85% classification accuracy using advanced textual analysis and enhancing NLP capabilities.

COURSES [(Verify)](#)

- **Google Data Analytics Professional Certificate**:
- **Microsoft Certified: Azure AI Fundamentals**:
- **Microsoft Power BI Data Analyst Specialization**:
- **IBM Data Science Professional Certification**:

LEADERSHIP AND ACHIEVEMENTS

- **VICE PRESIDENT: Google Developer Groups on Campus, Panimalar Institute of Technology**
  September 2024 - Present
  - Attracted and engaged over **300** participants within one month and fostering skill growth in **Google Cloud** and **Generative AI** resulting in a **20%** increase in follow-up participation

- **WINNER: Smart India Hackathon 2024 (SIH)**
  August 2024
  - Won the internal hackathon by creating an innovative solution on **Women Safety Analytics**