# MANOJ A

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## Education

**B.Tech in Artificial Intelligence and Data Science** **(2022 – 2024)**
Karpagam College of Engineering,Coimbatore CGPA 9.16

## Experience

**Altalya Solutions pvt Ltd.** **(SEPTEMBER 2023 – SEPTEMBER 2023)**
Trainee Tiruppur

- Interned at Altalya, gaining hands-on experience in Web development
- Acquired practical knowledge in HTML ,CSS, database management

## Certifications

**Foundations of R Software** **(July 2023 – October 2023)**
NPTEL | Online

- Scalars and Data Vectors, Matrix Operations ,Data Handling, Graphics.
- Learning Outcomes are statistical computing and data visualization.

**Data Analytics with Python** **(January 2024 – April 2024)**
NPTEL | Online

- Probability, sampling, hypothesis testing, ANOVA, regression, MLE, logistic regression, ROC, Chi-square test, cluster analysis, and CART.
- Learned data analytics, Python, probability, sampling, testing, regression, ANOVA, MLE, logistic regression, ROC, Chi-square test, clustering, and CART.

## Projects

**Unearth-AI powered Chatbot |** NLP, JavaScript, Django, GitHub **(February 2024 –May 2024)**

- The scope of the project is to develop an AI-powered chatbot that assists users in navigating and understanding complex mining regulations, ensuring regulatory compliance and promoting best practices within the industry.
- My role in the project involved designing and implementing the AI model using Python frameworks.
- The outcome of the project was a functional AI-powered chatbot that significantly improved user accessibility to mining regulations, enhancing regulatory compliance within the industry.

**MLOPS for predictive maintenance |**VS Code , Docker, Streamlit **(March 2024 – April 2024 )**

- Developed an MLOPS system for predective maintenance using ML to predict calories burnt.
- I spearheaded the MLOps implementation for predictive maintenance, leveraging VS Code for code development, Docker for containerization, and Streamlit
- Enhanced data-driven decision-making capabilities and streamlined machine learning model deployment, resulting in improved operational efficiency and predictive accuracy.

**AutoML Credit Card Fraud Detection |** H2O.ai, Google Colab **(February 2024 – March 2024)**

- Developing an AutoML-based credit card fraud detection system to automatically analyze transaction data, identify fraudulent activities, and enhance fraud prevention measures.
- My role involved leading in implementing AutoML algorithms for credit card fraud detection, utilizing Python, H2O.ai AutoML, Scikit-learn, and Docker for model deployment.
- The project significantly reduced false positives in fraud detection, enhancing customer trust and minimizing financial losses for the organization.

## Technical Skills

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|---|---|
| Languages | Python, C, R, Java |
| Databases | MySQL |
| Tools | Github, Google Colab |
| ML/DL Frameworks | Numpy, Pandas, Matplotlib, Scikit-learn,TensorFlow |

## Soft Skills

- Leadership
- Communication
- Time Management
- Resilience
- Problem-solving