

ARYAN RAJ

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Core Skills

Languages : Python (Numpy, Pandas, TensorFlow, Keras, Scikit-Learn), C++, Java, C#, SQL, C++, JavaScript, Flask, CSS, ReactJS, Machine Learning, Deep learning, Data Structures and, Algorithms, Postman, NLP, Git,
Software Development Life Cycle (SDLC) : Strong understanding and application of SDLC principles

Work Experience

Open Source Contributor

Jun 2024 - Present

GirlScript Summer of Code

- Contributed to projects, focusing on Machine Learning and Deep learning.
- Conducted thorough testing and debugging to ensure code quality.
- Wrote comprehensive documentation and user guides.

ML Intern

May 2024 - Jun 2024

GirlScript Summer of Code

- ML Intern
- Developed a machine learning model to classify movies into genres based on their descriptions, achieving high accuracy through feature engineering and hyperparameter tuning.
- Implemented a predictive model to identify customers likely to churn, enabling proactive retention strategies and improving customer retention rates.
- Designed a robust model to detect fraudulent credit card transactions, significantly reducing false positives and improving transaction security.
- Technologies : Python, TensorFlow, Keras, Pandas, Scikit-learn, Jupyter, Git

Education

VIT Bhopal University

Sep 2022 – Present

Bachelor of Technology Computer Science Engineering

GPA 9.09

ST. Clare's Convent School

Jul 2020

High School Diploma

GPA 9.28

Projects

• Business Continuity Planning System:

Designed and developed a robust system to ensure business continuity, quality, security, and compliance
Technologies: Python, Flask, SQL

• Application Development Standards

Contributed to various aspects of application development such as robustness, scalability, simplification, and automation, adhering to coding standards.

Technologies: Java, Python

- **Phishing URL Prediction Website**

Developed a website using ML to classify malicious URLs.

Technologies: Python, HTML/CSS, Flask, ML

- **Chatbot Development:**

Implemented a chatbot using NLP to engage customers and provide recommendations.

Technologies: Python, NLTK, and Flask

- **Sales Forecasting**

Used time series analysis to forecast sales trends with high accuracy.

Technologies: Python, Pandas, and time series analysis.

- **MNIST Digit Classification Model**

Developed a CNN model to classify handwritten digits from the MNIST dataset, achieving 98% accuracy.

Technologies: Python, TensorFlow, Keras, and Deep Learning (CNN)

Certificates

Applied Machine Learning in Python

Coursera

Postman API Fundamentals Student Expert Certificate

Postman

Generative Design Foundations

LinkedIn

Artificial Intelligence for Students

LinkedIn

Languages

English, Hindi