# VAISNAV R R

+91 89254 06183 vaisnavrr2004@outlook.com https://www.linkedin.com/in/vaisnav-r-r
S1 Bheema, Pandavar Bhoomi Apartments, Rajakilpakkam, Sembakkam, Chennai - 600073

## Career Objective

Proactive, enthusiastic learner with effective communication and organizational abilities seeking an entry level position in the field of data science where I can utilize my knowledge of ML algorithms and data driven decision making abilities to support innovative projects and continuous learning.

## Key Competencies

**Languages**: Python, C, SQL, HTML, CSS
**Libraries**: TensorFlow, NumPy, pandas, Matplotlib, SciPy, Scikit-Learn, Seaborn, NLTK, BeautifulSoup, Streamlit
**Tools**: Microsoft Excel, Power BI
**Soft Skills**: Tenacity, Consistency, Leadership, Perseverance, Proactivity, Teamwork

## Education

**Rajalakshmi Engineering College** Expected May 2025
*Bachelor of Engineering in Biomedical Engineering* *Chennai, Tamil Nadu*

**Amrita Vidyalayam** April 2021
*HSC, Computer Science* *Chennai, Tamil Nadu*
85.6%

**Amrita Vidyalayam** April 2019
*SSLC* *Chennai, Tamil Nadu*
82.2%

## Experience

**Center of Excellence in Data Science, Rajalakshmi Engineering College** Jan 2023
*Machine Learning Intern* *Chennai, Tamil Nadu*

- Gained proficiency in Python libraries: NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn.
- Implemented supervised and unsupervised learning algorithms, including Linear Regression, Logistic Regression, Decision Trees, and K-Means Clustering.

## Projects

**Automated Retinal Damage Detection** | *Python*

- Utilized transfer learning with the InceptionV3 convolutional neural network to classify OCT images into four categories
- Achieved an overall classification accuracy of 92.7%, demonstrating robust performance in identifying various retinal pathologies.

**Twitter Sentiment Analysis** | *Python*

- Utilized NLP techniques to preprocess and analyze large datasets of tweets, including tokenization, stop-word removal, and stemming.
- Developed and implemented a machine learning model to analyze sentiment on Twitter, achieving an accuracy rate of 81%

**Life Expectancy Prediction using Machine Learning** | *Python*

- Performed exploratory data analysis and trained a Linear Regression model to predict life expectancy using WHO and UN datasets.
- Evaluated model performance using KPIs such as MSE, RMSE, MAE, R2, and adjusted R2 to achieve an accuracy rate of 90%.

## Certifications

Foundations: Data Data Everywhere, Ask Questions to Make Data-Driven Decisions, Networking Essentials, Introduction to Deep Learning, Introduction to Machine Learning, HCI Design, Prompt Engineering for Developers