ARAVIND SEELAM

| www.linkedin.com/in/aravindseelam | aravind27ao@gmail.com

SUMMARY OF QUALIFICATIONS

Dedicated and fast-learning third-year BTech Computer Science student with a strong interest in **Machine Learning, NLP, and applied AI**. Involvement in creating and testing ML models using real-world datasets, with proficiency in **Python programming**. Knowledgeable about **data preprocessing, supervised learning, and unsupervised learning**, as well as **model verification processes**. Familiar **with NumPy, Pandas, Scikit-learn, and Matplotlib libraries** for analysis and experimentation. Eager to contribute to cutting-edge projects in forecasting, recommendation systems, and AI solutions for fintech, and enhancing applied knowledge by hands-on industry experience.

EDUCATION

Lovely Professional University   Phagwara, Punjab
Bachelor of Technology in Computer Science and Engineering   2023 – 2027
- CGPA: 7.9/10.0

Race Junior College   Kurnool, Andhra Pradesh
MPC (Mathematics, Physics, Chemistry)   2021 – 2023
- Percentage: 90%

TECHNICAL SKILLS

- **Programming Languages**: Python, SQL, C++, Shell
- **Libraries**: TensorFlow, PyTorch, Scikit-learn, NLTK, Pandas
- **Tools**: Git, Docker, Google Colab, Jupyter, VS Code
- **Cloud**: GCP, AWS (basic)
- **Concepts**: Deep Learning, NLP, Recommender Systems, A/B Testing, ML Ops, Data Engineering

CERTIFICATIONS

- **Machine Learning by Andrew Ng** – Coursera
- **Machine Learning crash course** – Google
- **DeepLearning.AI NLP Specialization** – Coursera
- **Database Management System** – edX

PROJECT EXPERIENCE

Customer Churn Prediction (ML + Statistics)
- Applied Random Forest & Logistic Regression on telecom customer data.
- Conducted feature engineering and handled class imbalance with SMOTE.
- Evaluated using precision, recall, AUC-ROC; used SHAP for model explainability.
- **Keywords**: Forecasting, A/B Testing, ML Models, Python, SQL

Fake News Detection using BERT (NLP, Transformers)

- Built a fine-tuned BERT model for binary classification on news articles.
- Pre-processed using NLTK, applied tokenization & transformer embeddings.
- Achieved 92% test accuracy, deployed via Streamlit.
- **Keywords**: NLP, Transformers, BERT, ML pipeline

WORKSHOPS & TRAINING

Machine Learning Bootcamp:
- Gained hands-on experience with core ML algorithms such as **Linear Regression**, **Decision Trees**, and **KNN**
- Worked on real datasets using **Python**, **Scikit-learn**, and **Pandas** in Jupyter Notebook

Data Science & Analytics Workshop:
- Learned data preprocessing, feature selection, and model evaluation techniques
- Applied data visualization tools such as **Matplotlib** and **Seaborn** for Exploratory Data Analysis (EDA)

STRENGTHS

- Strong **Problem-solving Skills**
- Quick **Learning & Attention to Detail**
- **Adaptability & Team Collaboration**