

# ASHTAMI R S

Chennai, Tamil Nadu

Phone: 9578381801 Email: ashtamirsofficial@gmail.com LinkedIn: linkedin.com GitHub: github.com

## Education

**Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College**  
*Bachelor of Technology in Artificial Intelligence and Data Science*

**Sep 2023 – May 2027**  
*Chennai, Tamil Nadu*

## Achievements

**Hackerrank:** Secured 5 stars in Java, C++, and Python for solving 70+ problems.

**Idea Presentation:** Secured second prize in an inter-college competition at Amrita College of Engineering and Technology.

**Academic Excellence Award:** Recognized as branch topper in AI & Data Science, II semester.

**Optimind Aptitude Contest:** Secured second prize, showcasing strong analytical, logical reasoning, and problem-solving skills.

## Experience

**NSIC - Technical Services Centre**

**December 2024**

*Machine Learning Intern*

*Chennai, Tamil Nadu*

- Trained in practical applications of machine learning algorithms using Python.
- Implemented ML models using scikit-learn and pandas for real-world databases.
- Performed data preprocessing, feature engineering, and model evaluation to improve accuracy.
- Worked under guidance from a Government of India enterprise, enhancing practical understanding of industrial ML applications.

## Projects

**VisualGuard** | *Python, TensorFlow, Streamlit*

**July 2025**

- Built a hybrid CNN + Transformer model for detecting manipulated media.
- Integrated Grad-CAM explainability and Streamlit UI for real-time predictions.
- Achieved high accuracy in distinguishing real vs fake videos/images.

**AI-based Weather Forecasting System** | *Python, LSTM, Transformer*

**December 2024**

- Developed a hybrid ML model for short-term (LSTM) and long-term (Transformer) weather prediction.
- Processed real-time meteorological data for hyper-local forecasting.
- Improved forecasting accuracy compared to ARIMA and CNN.

**Multi-Modal AI for Cancer Diagnosis** | *Python, CNN, BERT, XGBoost*

**June 2024**

- Designed an ensemble model combining medical images, clinical records, and genomic data.
- Applied CNNs for imaging, Transformers for text, and XGBoost for genomic data.
- Provided cancer type and stage prediction with explainability using Grad-CAM and SHAP.

## Relevant Coursework

- Data Structures
- Database Management
- Artificial Intelligence
- Operating Systems

## Technical Skills

**Languages:** Python, Java, C++, HTML/CSS

**Developer Tools:** VS Code, Eclipse, GitHub

**Technologies/Frameworks:** TensorFlow, Scikit-learn, Streamlit

**Soft Skills:** Communication, Problem Solving, Leadership, Collaboration

## Certifications

**Diploma in Python Programming** – Acharya Institute

**NPTEL – The Joy of Computing using Python** (IIT Madras)

**NPTEL – Software Testing** (IIT Kharagpur)

**Hackerrank Certification:** Python (Basic)

**TechTrio Training:** C++, Java, Python – Cybernaut

**MS Office Certification:** Word, Excel, PowerPoint