

# BOYANA RAHUL

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## EDUCATION

### MTech 5 year Integrated - CSE with Data Science

Vellore Institute of Technology (Sept 2021 - Present)

- Relevant Coursework: Data Analysis, Software Engineering; Operating Systems; Algorithms; Artificial Intelligence

Vellore, Tamil Nadu  
(CGPA : 8.93)

### Board of Intermediate Education

Sri Narayana Junior College (June 2019 – May 2021)

Anantapur, Andhra Pradesh  
(Marks :937/1000)

### Board of Secondary Education

Radha School Of Learning (April 2019)

Anantapur, Andhra Pradesh  
(CGPA : 10.0)

## SKILLS

**Technical Languages:** JAVA(Proficient), C, R,Python, HTML, CSS, JavaScript ( Intermediate)

**Data Tools:** VS Code, Google Colab, Jupyter Notebook, Figma, android studio , cursor

**Data Science Process:** ETL, Data Cleaning, Data visualization, Data Modelling

**Libraries:** Tensorflow, Keras, NLTK, Transformers, sci-kit learn

**Others:** Azure cloud, Web Development

## PROJECTS

- Remaining Useful Prediction of Aircraft Engines using Different Machine Learning Models – [Link](#)**
  - Developed a machine learning pipeline using the NASA CMAPSS dataset to predict Remaining Useful Life (RUL) of engines. Implemented XGBoost and SVM models, achieving RMSE of 20 and  $R^2$  of 0.75. Integrated results into a Flask-based web app with PostgreSQL for data storage and visualization. I submitted to ICMCSI 2025 conference, and the paper has been accepted and in publication phase. **Paper ID: ICMCSI-472.**
- Signature Verification System Using Neural Networks – [Link](#)**
  - Developed a signature verification system using neural networks for authentication and fraud detection. Implemented deep learning models for feature extraction and classification to enhance accuracy.
- Food Recipe App (Android Studio - Kotlin & Java) – [Link](#)**
  - Developed a recipe app with search, categorization, and favorite-saving features using Kotlin and Java. Implemented step-by-step instructions, ingredient lists, and offline support for user convenience.

## EXPERIENCES

### Infosys, (Remote)

AI&ML Intern, Oct 2024 – Dec 2024

- Worked extensively on neural networks, enhancing knowledge in deep learning techniques.
- Developed a signature verification system using neural networks for authentication and fraud detection.

## CERTIFICATIONS AND ACHIEVEMENTS

- Research Paper** “Predictive Maintenance of Aircraft Engines: Machine Learning Approaches for Remaining Useful Life Estimation” accepted and presented in ICMCSI 2025. - [Link](#)
- Infosys Internship** Completion Certificate -[Link](#)
- Android App Development** Completion Certificate - [Link](#)

## INTERESTS

Sports , Gym , trading , travelling

## LANGUAGES

Telugu, English, Hindi - proficient ; Tamil , kannada - Intermediate ; Arabic , Japanese - Beginner

