

# Ronnie A Jeffrey

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## Education

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- **Karunya Institute of Technology**, Coimbatore, India  
B.Tech in Artificial Intelligence and Data Science *May 2027*

## Experience

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- **Mobile App Developer Intern** *June 2024 – July 2024*  
*Nandha Infotech*, Coimbatore, India
  - Worked on Flutter-based mobile apps with real-time API integration in the agriculture domain.
- **Full Stack and Mobile App Trainee** *Aug 2024 – Mar 2025*  
*KIDS, Karunya University*, Coimbatore, India
  - Built dynamic web applications using React.js and Node.js; focused on UI/UX, REST APIs, and Mobile application with Flutter and database integration.

## Skills



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- **Languages:** Python, Java, C, Dart, JavaScript
- **Frameworks/Tools:** React.js, Tailwind CSS, ShadCN UI, Flask, FastAPI, TensorFlow, Keras, Scikit-learn, Git
- **Domains:** Data Analysis, Machine Learning, Full-Stack Development, Mobile App Development, Generative AI

## Projects


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- **Mindkraft'25 - Event Website** 🔗
  - Built a full-featured event site with auth and payments; used by 1000+ students for registration.
  - TechStack: Django, React.js, Stripe API
- **Water Potability Prediction Analysis** 🔗
  - Compared multiple ML models to predict water potability; best model achieved 92% accuracy.
  - Contributed to SDG 6 and 13 for sustainable water and climate goals.
  - TechStack: Django, React.js, ShadCN UI
- **CropAI – Crop Recommendation & Yield Prediction API** 🔗
  - Built an ML-powered API to recommend best crops and predict yield based on soil, climate, and accurate values.
  - Accuracy reached 88% for crop prediction using RandomForestClassifier.
  - TechStack: Django, React.js, Scikit-learn

- **Music Genre Classification with CNN** 
  - Built a CNN model to classify music genres from raw audio files.
  - Achieved 87% classification accuracy using MFCC features; deployed via Streamlit.
  - TechStack: Python, TensorFlow, Keras, Librosa
- **Hoodigo - Frontend Website** 
  - Created a stylish responsive frontend using modern UI/UX design patterns.
  - Enhanced responsiveness and layout performance across mobile/desktop.
  - TechStack: HTML, CSS, JavaScript, Bootstrap

## Achievements & Hackathons

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- **Special Mention – Intel OneAPI India Hackathon** 2024  
*Project: Patient Monitoring System for Hospitals* 
  - Developed an AI-driven platform that allows hospitals to upload lab reports via admin portal.
  - System provides personalized AI recommendations for medicine, diet, and workouts.
  - Doctors can review and approve suggestions; patient app syncs real-time health notifications.

## Certifications

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| • <b>Google CyberSecurity Specialization</b> | <i>Google, Jul 2024</i>         |
| • <b>Data Analytics Internship</b>           | <i>YBI Foundation, Sep 2024</i> |
| • <b>CSS Skill Test</b>                      | <i>HackerRank, Sep 2024</i>     |
| • <b>Java Programming Fundamentals</b>       | <i>Infosys, Sep 2024</i>        |