

J Michael Jebaraj

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SUMMARY

Eager student with a strong foundation in web development (HTML, CSS, JavaScript, jQuery) and growing expertise in Python, IoT, and data science. Passionate about technology, innovation, and entrepreneurship, with a solid understanding of data structures and algorithms.

EDUCATION

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| <ul style="list-style-type: none">Karunya Institute of Technology and Sciences
<i>B. Tech</i> | Coimbatore, Tamil Nadu
<i>Graduation Date: July 2025</i> |
| <ul style="list-style-type: none">St. Arnold Sr-Sec Co-Ed School
<i>High School</i> | Indore, Madhya Pradesh
<i>Graduation Date: Jan 2021</i> |
| <ul style="list-style-type: none">St. Paul Sr-Sec Co-Ed School
<i>Secondary School</i> | Bhopal, Madhya Pradesh
<i>Graduation Date: Jan 2019</i> |

PROJECT EXPERIENCE

1) Smart Door Unlocking System Using Arduino

- Designed and developed an Arduino-based security system with a fingerprint sensor, LCD display, and buzzer for secure biometric authentication.
- Programmed the system for real-time feedback, input processing, and alarms for unauthorized access.
- Conducted extensive testing to ensure accurate and reliable performance.

2) Aircraft Maintenance System Using Yolo ML

- Developed an aircraft maintenance system using YOLO machine learning for crack detection through aircraft photos.
- Integrated features to estimate battery and engine life based on usage cycles and other input details.
- Ensured accurate predictions through data processing and model training.

3) Dynamic Weather App with Real-Time Forecasting

- Developed a weather app in Android Studio using Java and an API to fetch real-time weather data.
- Implemented location-based weather updates by requesting user permission to access the current location.
- Added functionality to manually select states and districts for customized weather information.

CERTIFICATES

- Microsoft - Azure AI Fundamentals
- LinkedIn and Microsoft - Career essentials in generative AI
- FreeCodeCamp - Responsive Web Design
- Internshala - Programming with Python
- NPTEL -
 - Technical English for Engineers
 - Introduction to Industry 4.0 and Industrial Internet of Things
- Google - Google Data Analytics
- Cisco - Cloud Security

SKILLS

Programming Skills: Python, Web Development, IoT

Networking Skills: Packet tracer, Port Scanning, Network Traffic Analysis

Integrated Development Environment: Pycharm, VScode, Eclipse, Jupyter Notebook, Android Studio