



# MONIKA JOTHI

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A dedicated B.Tech Artificial Intelligence and Data Science student passionate about continuous learning, seeking opportunities as a Full Stack Web Developer and Data Analyst. Proficient in MERN stack, Flutter, Backend development, and Data analysis with strong problem-solving skills.

## EDUCATION

### B.TECH AI AND DATA SCIENCE

KONGU ENGINEERING COLLEGE

Expected Graduation: 2026 | CGPA: 8.38\*

### HSC

MAHENDRA MATRIC HR SEC SCHOOL

Completed. May 2022 | Per: 93

### SSLC

SRI VIDHYAA MANDIR HR SEC SCHOOL

Completed. May 2020 | Per: 96

## AREAS OF INTEREST

Web Development

Data Analysis

Database Management System

## SKILLS

### Programming Languages:

- Java (Expertise)
- Python (Intermediate)
- C (Intermediate)
- R (Beginner)

### Frameworks and Libraries:

- TensorFlow
- Keras
- NumPy
- Pandas
- Scikit-learn
- Flutter
- React.js
- Express.js
- Node.js

### Tools and Platforms:

- Git
- GitHub
- Power BI
- Tableau
- Postman
- Figma

### Databases:

- MySQL
- MongoDB

## ACHIEVEMENTS

### Paper Presentation - 2nd Price (2024) - PSG

For Brain tumour Analysis using Deep Learning

### Project Presentation - 2nd Price (2024) -PSG

For Smart Sweep - AI Powered Trash Canes

### Idea Presentation - 2nd Price (2024) -KEC

For Ingredients Safety Checker for Food Packages

SSLC - School 1st with 96% (2020)

## PUBLICATIONS

Published on "Stress Identification System using Machine Learning" at ACL Anthology.(2024)

## LANGUAGES

• English (R,W,S) • Tamil (R,W,S) • Hindi (R,W)

## EXPERIENCE

### PUNCHBIZ | FULL STACK DATA SCIENTIST INTERN

July 2024 - December 2024

- Built an Enterprise Billing System with React.js, Tailwind CSS, and PostgreSQL for a responsive UI.
- Optimized billing with invoice generation, inventory management, and reporting.
- Delivered a scalable, maintainable enterprise solution.

## PROJECTS

### STRESS IDENTIFICATION SYSTEM | MACHINE LEARNING

Github://Stress-Identification-System

- Developed a stress identification model in individuals using Machine Learning Algorithms like random forest, decision tree, SVM, and Naive Bayes in tamil and telugu language.

### E-COMMERCE WEBSITE | MERN

Github://e-commerce-platform

- Designed and developed a comprehensive e-commerce platform using the MERN stack, incorporating an innovative eco-friendly products section displayed with a distinct green label to promote sustainable purchasing choices.

### INGREDIENTS SAFETY CHECKER | MERN, OCR, NLP

Github://food\_safety\_checker

- Built an AI-driven Ingredient Safety Checker for analyzing food product ingredients.
- Used OCR and NLP for real-time ingredient extraction, risk evaluation and personalized recommendations.

### PLANT DISEASE PREDICTION | FLUTTER, FLASK, DL

Github://plant-app

- Developed a deep learning model for accurate plant disease prediction from leaves images and integrated it into a mobile app using Flutter and Flask for seamless user interaction.

## CERTIFICATIONS

Microsoft Certified: Azure AI Engineer Associate certification. (2025)  
Processing and visualizing data with MATLAB. (2023)

## PROFESSIONAL ACTIVITIES

NSS Volunteer (2023-2024)

Executive Member - Zhagaram Tamil Mandram (2023-2024)

Member - CSI Club (2023-2024)

## EXTRA-CURRICULAR ACTIVITIES

Hosted cultural events.

Graphic design using Adobe Illustrator.