

NAZRIN SHAHUL

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SUMMARY

BCA Graduate specializing in Artificial Intelligence, Machine Learning, and Robotics with a strong foundation in Deep Learning, Neural Networks, and Computer Vision. Hands-on experience in building and training Convolutional Neural Network (CNN) models for real-time facial emotion recognition using TensorFlow, Keras, and OpenCV. Seeking a Deep Learning / AI Internship to apply theoretical knowledge and project experience in solving real-world AI problems and contributing to research-driven and product-based teams

SKILLS

- Programming: Python, JavaScript, C, SQL
 - AI / ML: TensorFlow, Keras, OpenCV, Convolutional Neural Networks (CNN), NumPy, Pandas
 - Web Technologies: HTML, CSS, Angular, Flask
 - Databases & Tools: MySQL, Git, VS Code, Arduino IDE
 - Soft Skills: Team Collaboration, Communication, Time Management, Quick Learner, Initiative-Taking
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EXPERIENCE

Intern — Gigabyte Labs Pvt. Ltd. | Mangalore

March 2025 – May 2025

- Assisted in developing and testing Python-based modules and automation scripts for internal applications.
- Debugged and optimized application performance through structured issue tracking and troubleshooting.
- Collaborated with team members to review model outputs, test features, and improve workflow efficiency.
- Maintained technical documentation for project pipelines, system architecture, and experimental results

PROJECT

Emotion Detection System Using CNN |

March 2025 – April 2025

- Designed and implemented a deep learning-based facial emotion recognition system using Convolutional Neural Networks (CNN).
- Built and trained models in TensorFlow and Keras using FER2013 and related datasets, achieving approximately 85% classification accuracy.
- Applied image preprocessing techniques including grayscale conversion, normalization, and data augmentation to improve model generalization.
- Integrated OpenCV for real-time face detection and webcam-based emotion prediction.
- Evaluated model performance using accuracy metrics, confusion matrix analysis, and iterative hyperparameter tuning.
- Documented model architecture, training pipeline, and experimental results for reproducibility and future research improvements.

EDUCATION

- Bachelor's in Computer Application (BCA) - Artificial Intelligence, Machine Learning & Robotics
Yenepoya Deemed To Be University • Mangalore • 2025
- Higher Secondary - Biology Science
St Joseph's Girls School • Alappuzha • 2021

EXTRACURRICULAR ACTIVITIES

- Volunteer Coordinator, Cybersecurity Workshop — Organized activities for 50+ participants, strengthening leadership and coordination skills.

- Student Coordinator, ECO Club — Supported technical events and student engagement initiatives.
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ADDITIONAL INFORMATION

- Languages: English, Malayalam, Tamil
- Interests: Full Stack Development, AI, Machine Learning, Robotics