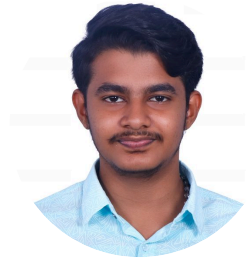# KAVIN E

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in linkedin.com/in/ekavin

## PROFILE

Full Stack Developer with expertise in the MERN stack, real-time applications, and API development. Strong programming foundation in C++, Java, and JavaScript. Basic Machine Learning knowledge with hands-on exposure to Python and data-driven projects. Passionate about building scalable, reliable software solutions.

## EDUCATION

**B.TECH - INFORMATION AND COMMUNICATION TECHNOLOGY**                   10/2022 – 05/2026
*SASTRA Deemed to be University - 7.9635 CGPA*

**Higher Secondary Education- HSE**                   06/2020 – 06/2022
*MAHENDRA INTERNATIONAL SCHOOL, NAMAKKAL - 88.4%*

## PROJECTS

**Deep Hybrid Learning for Multi-Class Facial Expression Recognition** ⌇
*Python | TensorFlow | Keras | OpenCV | FER-2013 | NumPy | Scikit-learn | VGG16/ResNet*
- Developed a **real-time facial expression recognition system** using the **FER-2013 dataset**.
- Implemented a **hybrid CNN with pretrained models** (VGG/ResNet) integrated with **OpenCV** for live emotion detection.
- Built and deployed a **real-time emotion detection pipeline** using **OpenCV** and **TensorFlow/Keras**, capable of classifying facial expressions (e.g., happy, sad, angry, surprised, neutral, etc.) on live video streams.
- Evaluated model performance with **confusion matrix, precision, recall, and F1-score**, ensuring robust classification for multi-class emotion recognition.

**Freelancive — Freelance Marketplace Web Application** ⌇
*React | Node.js | Express | MongoDB | Tailwind CSS | Render (Deployed)*
- Built a full-stack freelance platform for clients to post projects and freelancers to submit proposals.
- Developed secure user authentication, project management features, and responsive UI for seamless experience.
- Designed scalable REST APIs and implemented efficient data handling with MongoDB.
- Deployed the application on **Render**, ensuring reliable, production-ready access to the platform.

## SKILLS

**Web Development** - MERN Stack (MongoDB, Express.js, React.js, Node.js), RESTful APIs, JWT Auth

**Databases** - MySQL, MongoDB, SQL (joins, indexing, normalization)

**Programming Languages** - C++, Java, Python

**ML & Tools** - Scikit-learn, Pandas, Git, GitHub, Postman, VS Code, Linux CLI

## AWARDS

**Academic Excellence Award for the Academic Year 2021-2022**
*MAHENDRA INTERNATIONAL SCHOOL, NAMAKKAL*