Sayyid Jahfar Ibinu Muhammed

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Summary

- B. Tech Information Technology (7th Semester) student at MES College of Engineering, Kuttippuram
- Strong knowledge of object-oriented programming and application development
- A self-starter, team player and multitasked - strive to consistently exceed expectations
- Possess excellent verbal and written communication skills
- Possess good adaptability and continuous learning skills

Education

MES College of Engineering — **Kuttippuram, Kerala**
Student of B.Tech. in IT, CGPA: **6.25/10 (up to 7th Sem)** — *Aug 2021 – June 2025 (expected)*

Senior Secondary, — **VHSS, Valanchery, Kerala**
HSE, ***80.25%*** — *2016-2017*

Secondary, — **MESHSS, Irumbiliyam, Kerala**
SSLC, *97.00%* — *2015-2016*

Technical Skills

Programming Languages	Python, Dart, C, C++, Java
Operating systems	Windows, UNIX and LINUX
Familiar Virtualization Tools	VirtualBox
Web Technologies	HTML, CSS, Bootstrap Framework, JavaScript, JQuery, PHP, MySQL, MongoDB
Additional Technologies	Git, Adobe Photoshop, Android Studio

Projects Completed

1. **Developed a Lecture Time-Table Scheduler Using Genetic Algorithm**
   Electronic Lecture Time Table Scheduler is a software solution that uses a Genetic Algorithm (GA) to efficiently generate optimized lecture schedules. It ensures minimal conflicts and maximizes resource utilization. This system provides a streamlined and automated approach to timetable management.
   - **Technologies used:** Tkinter, Python
2. **Speech-to-Speech Translation System**
   Building a speech translation application with features like multilingual speech-to-speech translation, text extraction from images, and hate speech detection. Leveraging Flutter for the UI, Python backend, Firebase for authentication, and JSON storage for language support.
   - **Technologies used:** Python Django, Flutter
3. **Hate Speech Detection Model (Published on PyPI & GitHub)**
   Developed and published a lightweight Python package that detects hate speech in input text using NLP preprocessing and a trained machine learning model. The project was built as part of a major college project and includes a public package on PyPI for community use.
   - **PyPI:** pip install hate_speech_detector
   - **GitHub:** github.com/jah-117/hate_speech_detector
4. **Cement Trading Receipt Generation App (Client Project)**
   Developed a mobile application for a cement trading group to generate and manage lorry transportation receipts. Delivered the first phase with core functionality and currently working on client-requested feature enhancements.
   - **Technologies used:** Flutter.

Workshops / Seminar Attended

- Delivered a seminar on an IEEE research paper on the Lighting Search Algorithm and its application in CNN-based image captioning, analyzing and presenting complex technical concepts to an academic audience.
- Hands-on Workshop on "**Arduino programming**", gaining practical experience in building and programming embedded systems and exploring various applications of Arduino in real-world projects.

Leadership Experience

- **Hackathon Participation:** Contributed to problem-solving and innovation during a generative AI-themed hackathon
- **Goal-Oriented Learning**: Proactively pursued self-taught skills, such as Blender, Flutter and Django

Hobbies

Learning Science and Technologies, Natural Photography

Extra-Curricular Activities / Interests

- Photo / Image Editing
- Blender for 3D modelling and Animation

Declaration

I hereby declare that the information given above is true to the best of my knowledge and belief.

Date: 1-May-25
Place: Kuttippuram

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