PAVITHRAN S

✉ pavithran.workat@gmail.com ☎ +91-9385985154 ⬤ GitHub in Linkedin </> Pavithran-S 👤 Portfolio

PROFILE SUMMARY

A driven and detail-oriented Computer Science student with a passion for innovation, creative problem-solving, and collaborative development. Known for a curious mindset and a commitment to continuous learning, with proven technical strengths in executing impactful projects. Dedicated to crafting meaningful software solutions and excelling in fast-paced, challenging environments.

EDUCATION

Madras Institute of Technology, Anna University *Chennai, Tamil Nadu*
Bachelor of Technology – Computer Science Engineering (CGPA: 6.52 (Upto Sem-6)/10.0) *Oct 2023 – Present*

Adhiparasakthi Polytechnic College *Chengalpattu, Tamil Nadu*
Diploma in Computer Engineering – **95.69%** *Jun 2020 – Apr 2023*

St.Joseph of Cluny Matric Hr.Sec. School *Viluppuram, Tamil Nadu*
Class 10th - Percentage – **62.80%** *Jun 2008 – Mar 2020*

TECHNICAL SKILLS

- **Programming Languages:** C, Java
- **Web Technologies:** HTML, CSS, JavaScript, ReactJS, Node.js
- **Databases:** MySQL, PostgreSQL, MongoDB, SQL
- **Frameworks & Tools:** Bootstrap, Tailwind CSS, Material-UI, Git, GitHub
- **Core Subjects:** Data Structures and Algorithms, OOPs, Database Management Systems

PROJECTS

Mobile App Review Analytics & Rating System ⧉ Jan 2025 - May 2025

- Built an intelligent app review analyzer using **BERT-LSTM hybrid** to understand user sentiment with 91% accuracy
- Created a smart feature extraction system with **Mistral LLM** that identifies key app features from user feedback
- Developed automated clustering to group similar features and provide **data-driven insights** for app developers
- Designed fair rating system using **Bayesian scoring** that considers feature importance beyond simple star ratings

Hospital Appointment Management System ⧉ Feb 2025 - April 2025

- Set-up a Multifunctional **admin dashboard** for managing appointments, doctors, services, events, and user feedback
- Implemented **appointment confirmation and deletion** features with real-time updates leveraging **React** and **REST APIs**
- Configured a **responsive and professional UI** using **React Bootstrap** for seamless user experience across devices.
- Utilized **React Router** for smooth navigation and **fetch API** for communicating with backend services
- Backend developed with **Node.js** and **Express**, providing secure and efficient REST endpoints

DormNest: Student Accommodation Finder ⧉ Oct 2024 - Dec 2024

- Built a platform for student housing using **Java**, **Java Swing**, **JDBC** and **PostgreSQL**.
- Completed property search, filters, and owner dashboard featuring real-time updates.
- Enabled secure authentication, listing management, and student–owner messaging
- Established a responsive UI with resizeable images and easy access navigation

BEYOND ACADEMICS

- Leadership
- Problem-Solving
- Video Games
- Football
- Movies
- Volunteering
- Music

LANGUAGE

- Tamil
- English