

# PAVITHRAN S

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🐙 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**

Bachelor of Technology – Computer Science Engineering (CGPA: 6.517 (Upto Sem-6)/10.0)

Chennai, Tamil Nadu

Oct 2023 – Present

**Adhiparasakthi Polytechnic College**

Diploma in Computer Engineering – 95.69%

Chengalpattu, Tamil Nadu

Jun 2020 – Apr 2023

**St. Joseph of Cluny Matric Hr. Sec. School**

Class 10th - Percentage – 55.80%

Viluppuram, Tamil Nadu

Jun 2008 – Mar 2020

## TECHNICAL SKILLS

- **Programming Languages:** C, Java
- **Web Technologies:** HTML, CSS, JavaScript, ReactJS, Node.js, Express.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 resizable images and easy access navigation

## EXTRACURRICULAR ACTIVITIES

- Playing Video Games
- Playing Football
- Watching Movies
- Volunteering

## LANGUAGE

- Tamil
- English