PAVITHRAN S

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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*
*B.E. – Computer Science Engineering **(CGPA: 6.52/10 upto Sem-6)***   *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 – **55.80%***   *Jun 2019 – Mar 2020*

EXPERIENCE

Frontend Developer's Team   *Chennai, Tamil Nadu*
Solvexa Pvt.Ltd (Start-Up)   *July 2025 – Sep 2025*

- Developed responsive UI modules with **React.js** and Tailwind CSS for a modern user interface.
- Implemented smooth animations using **Framer Motion** to enhance user engagement.
- Integrated REST APIs for dynamic data rendering and seamless user experience.
- Optimized frontend performance, reducing load time and improving responsiveness.
- Collaborated in an Agile workflow using **Git/GitHub** and deployed builds via **Netlify**.

TECHNICAL SKILLS

- **Programming Languages:** C, Java
- **Web Technologies:** HTML, CSS, JavaScript, ReactJS, Node.js
- **Databases:** 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 app review analyzer using **BERT-LSTM hybrid** to process and understand user sentiment.
- Created a feature extraction system with **Mistral LLM** to identify key app features from user feedback.
- Developed automated clustering to group similar features and provide **insights** for developers.
- Designed a fair rating system using **Bayesian scoring** that considers feature importance beyond star ratings.

Hospital Appointment Management System ⬈   *Feb 2025 – Apr 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 a seamless user experience across devices.
- Utilized **React Router** for smooth navigation and **Fetch API** for backend communication.
- Developed backend services with **Node.js** and **Express**, ensuring 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**.
- Implemented 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 intuitive navigation.

BEYOND ACADEMICS

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

LANGUAGES

Tamil, English