

# 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

<b>Madras Institute of Technology, Anna University</b> <i>B.Tech – Computer Science Engineering (CGPA: 6.52/10 upto Sem-6)</i>	<i>Chennai, Tamil Nadu</i> <i>Oct 2023 – Present</i>
<b>Adhiparasakthi Polytechnic College</b> <i>Diploma in Computer Engineering – 95.69%</i>	<i>Chengalpattu, Tamil Nadu</i> <i>Jun 2020 – Apr 2023</i>
<b>St. Joseph of Cluny Matric Hr. Sec. School</b> <i>Class 10th – 55.80%</i>	<i>Viluppuram, Tamil Nadu</i> <i>Jun 2019 – Mar 2020</i>

## EXPERIENCE

<b>Frontend Developer's Team</b> <i>Solvexa Pvt.Ltd (Start-Up)</i>	<i>Chennai, Tamil Nadu</i> <i>July 2024 – current</i>
<ul style="list-style-type: none"><li>Developed responsive UI modules with <b>React.js</b> and Tailwind CSS for a modern user interface.</li><li>Implemented smooth animations using <b>Framer Motion</b> to enhance user engagement.</li><li>Integrated REST APIs for dynamic data rendering and seamless user experience.</li><li>Optimized frontend performance, reducing load time and improving responsiveness.</li><li>Collaborated in an Agile workflow using <b>Git/GitHub</b> and deployed builds via <b>Netlify</b>.</li></ul>	

## 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

<b>Mobile App Review Analytics &amp; Rating System</b> 🔗	<i>Jan 2025 – May 2025</i>
<ul style="list-style-type: none"><li>Built an app review analyzer using <b>BERT-LSTM hybrid</b> to process and understand user sentiment.</li><li>Created a feature extraction system with <b>Mistral LLM</b> to identify key app features from user feedback.</li><li>Developed automated clustering to group similar features and provide <b>insights</b> for developers.</li><li>Designed a fair rating system using <b>Bayesian scoring</b> that considers feature importance beyond star ratings.</li></ul>	
<b>Hospital Appointment Management System</b> 🔗	<i>Feb 2025 – Apr 2025</i>
<ul style="list-style-type: none"><li>Set up a multifunctional <b>admin dashboard</b> for managing appointments, doctors, services, events, and user feedback.</li><li>Implemented appointment confirmation and deletion features with real-time updates leveraging <b>React</b> and <b>REST APIs</b>.</li><li>Configured a <b>responsive and professional UI</b> using <b>React Bootstrap</b> for a seamless user experience across devices.</li><li>Utilized <b>React Router</b> for smooth navigation and <b>Fetch API</b> for backend communication.</li><li>Developed backend services with <b>Node.js</b> and <b>Express</b>, ensuring secure and efficient REST endpoints.</li></ul>	
<b>DormNest: Student Accommodation Finder</b> 🔗	<i>Oct 2024 – Dec 2024</i>
<ul style="list-style-type: none"><li>Built a platform for student housing using <b>Java</b>, <b>Java Swing</b>, <b>JDBC</b>, and <b>PostgreSQL</b>.</li><li>Implemented property search, filters, and owner dashboard featuring real-time updates.</li><li>Enabled secure authentication, listing management, and student-owner messaging.</li><li>Established a responsive UI with resizable images and intuitive navigation.</li></ul>	

## BEYOND ACADEMICS

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

## LANGUAGES

Tamil, English