

PAWANKUMAR

SOFTWARE ENGINEER

CONTACT ME

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- Devanhalli, Bangalore

EDUCATION

B.E (Computer Science)
Cambridge Institute of Technology North
Campus
2022 – 2026

Shree Mathe Manikeshwari PU collage
2020 – 2022

SKILLS

- Project Management
- Public Relations
- Teamwork
- Time Management
- Leadership
- Effective Communication
- Critical Thinking

Languages

- English
- Kannada
- Hindi
- Marathi

Technical Skills / Tools

- Java
- Python
- Html, CSS , Java Script
- Data Structures
- Web Technologies
- SQL
- C
- C++
- Excel
- Power BI
- Numpy , Pandas
- Flutter
- Mongo DB
- React
- FireBase
- Docker
- Linux

ABOUT ME

A dedicated Software Engineering student with hands-on experience in developing mobile applications and AI-based systems. Proficient in programming languages such as Java, Python, C/C++, and HTML/CSS. Strong problem-solving skills with a focus on delivering high-quality solutions. Eager to contribute to innovative projects and grow into a skilled developer in a dynamic environment.

MAJOR PROJECTS

Students record management system 2023

- Developed a mobile application for students record management system using Flutter
- Project Management Built and packaged the app as an APK for deployment.
- Implemented core Public Relations Teamwork functionalities without a database, focusing on UI/UX and app performance.

AI-Powered Resume Evaluation Machine Learning, AI 2024

- Developing an AI-based system to evaluate resumes and provide feedback.
- Effective Communication Critical Thinking Implementing machine learning techniques to analyze resume structure and content.
- Project is currently in development with ongoing feature enhancements.

Laser mic (used for spying) 2025 - 2026

- A laser microphone is an optical, non-contact acoustic sensing system that detects sound by measuring minute vibrations of a distant surface. Instead of placing a conventional microphone near the sound source, a low- power laser beam is directed onto a reflective surface that moves in response to sound waves—such as a thin plate, a diaphragm, or an object in the environment. The reflected laser beam carries information about these vibrations, which can be converted back into an audio signal using a photodetector and signal processing electronics.

Database Management Portal

Tech: Java, MySQL, Excel

Description:

Built a centralized employee information system for maintaining employee records, attendance, department details, and generating HR reports.

Skills :

- Data Management
- Record Maintenance
- SQL
- Report Generation

CERTIFICATIONS

- Certified in Introduction of python from Infosys spring board
- Deloitte Data Analytics Job Simulation
- WS C UBE TECH "JioHotstar “
- Data Analysis Using Python" DATA ANALYTIC”
- Android App Development using Generative AI Internship – MindMatrix (VTU)

WORKING ON PROJECTS:

- **Life Calendar App**
- The **Life Calendar App** is a unique and visually engaging application designed to represent a person’s entire life in the form of weeks. Each square in the grid corresponds to a single week, allowing users to clearly see how much of their life has passed and how much remains. The application highlights the current week and enables users to mark important milestones, events, and goals. With its minimal dark-themed UI and smooth animations, the app not only provides a powerful perspective on time management but also motivates users to prioritize meaningful activities and reduce procrastination.
- **Smart Shopping Assistant (ModernShop):**
- The **Smart Shopping Assistant** is an AI-powered mobile application that enhances the online shopping experience by providing personalized product recommendations based on user preferences and behavior. The app allows users to browse products, compare prices, and manage wishlists efficiently. It integrates intelligent recommendation algorithms and modern UI components built with Jetpack Compose to deliver a seamless and interactive experience. This project demonstrates the practical implementation of user-centric design and intelligent systems in e-commerce applications.
- **Personal Finance Tracker with AI Insights:**
- The **Personal Finance Tracker** is a comprehensive application that helps users manage their daily expenses and gain insights into their spending habits. Users can categorize expenses, set monthly budgets, and view detailed financial reports through interactive charts. The system uses AI-based analysis to provide personalized suggestions for saving money and improving financial discipline. This project focuses on solving real-world financial management problems while showcasing data visualization and intelligent decision-making features.
- **Laser-Based Remote Acoustic Sensing System (2025–2026)**
- Developed a laser-based remote acoustic sensing system that detects sound by measuring minute vibrations on a distant reflective surface using optical sensing techniques. The system utilizes a low-power laser beam directed at a surface that vibrates in response to sound waves. The reflected laser beam is captured by a photodetector, and the resulting signals are processed to reconstruct the original audio. The project involved the study of laser optics, signal processing, vibration analysis, and sensor integration. It demonstrates the practical application of non-contact acoustic sensing technology for research, monitoring, and engineering purposes while enhancing knowledge in embedded systems, electronics, and data acquisition.

Internship Experience

Android App Development using Generative AI – MindMatrix (VTU Internship)

Feb 2026 – May 2026

- Worked on Android app development using Kotlin and Jetpack Compose
- Used Android Studio, Google Cloud Labs, and Google AI Studio
- Worked on Firebase integration, debugging, UI/UX design, and GenAI features
- Completed project-based Android development training

Certifications

- Android App Development using Generative AI Internship – MindMatrix (VTU)