

# PALLAVI S R

Software Engineer

Bangalore, Karnataka

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🌐 [Pallavi S R](#)

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## Career Objective

As a Dedicated and detail-oriented Computer Science Engineering student, “Looking for a challenging role as a Software Engineer in a progressive organization where I can utilize my technical skills and knowledge in Java, Python, HTML, SQL. Eager to contribute to the development of innovative software solutions and improve system efficiency. Motivated to learn new technologies, work collaboratively in teams, and deliver high-quality results. Committed to continuous professional growth while supporting organizational goals

## EDUCATION

### Bangalore Technological Institute

2022 – 2026

*B.E - Computer Science and Engineering - cgpa - 8.52*

*Bangalore, Karnataka*

### Jnana Vikasa PU College

2020 – 2022

*Pre University Education - Percentage - 70%*

*Davanagere, Karnataka*

### Akshara Vidya Niketana School

2019 – 2020

*10th METRIC - Percentage - 92.32%*

*Chitradurga, Karnataka*

## COURSEWORK / SKILLS

- |                                     |   |                          |                        |
|-------------------------------------|---|--------------------------|------------------------|
| • Data Structures & Algorithms      | • Relational Database Management System (RDBMS) | • Full stack Development |                        |
| • Database Management System (DBMS) | • SQL   | • OOPS Concept           | • Software Development |
|                                     |   | • Web Applications       |                        |

## PROJECTS

### Command Drive warrior | C++

11 2024

- **Designed and implemented a Voice-Controlled Robotic Car with Real-Time Obstacle Avoidance** using **Arduino UNO R3 microcontroller**, **integrating ultrasonic sensors** for autonomous navigation.
- **Implemented hands-free control system by leveraging Google's Speech-recognition software (Voice-to-Text) and a Bluetooth communication protocol** to transmit commands from an Android app to the hardware.
- **Utilized Ultra sonic sensor** prioritized collision prevention, allowing the robot to override voice commands and automatically apply emergency braking when a hazard was detected by the sensor suite

### AI-Powered Smart Agro Support | ML,python,Deep Learning,HTML,CSS,JS

05 2025

- **Developed an AI based Smart Irrigation System** using **ML,python,Deep Learning,HTML,CSS,JS** for designing ,developing and Monitoring the agriculture/irrigation.
- **Implemented an Intelligent Automatic Smart Irrigation System** using Soil Moisture Sensor that achieved 20-30Open Weather Map API s to implement a rule-based Decision Engine for context-aware scheduling to reduce consuming Water.
- **Crop Recommendation And price Prediction** Designed a Data-Driven Crop Recommendation Module that leveraged Machine Learning (ML) models to process environmental parameters (N, P, K, pH) and included a crop price prediction model to empower farmers with economic foresight.
- **Crop Disease Detection And Fertilizer Recommendation** Developed an AI-Powered Disease Detection Subsystem utilizing Deep Learning and Computer Vision on crop leaf images to accurately classify diseases and provide instant, actionable fertilizer and corrective measure recommendations.
- **Web Based Application** Developed an Web based Application to get notifies about the automatic watering and for visualizing the crop Recommendation and Price prediction,Crop disease detection and Fertilizer Recommendation.

## INTERNSHIP

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### KODNEST

08 2025 – Present

*Full Stack Intern*

*Bangalore, Karnataka, India*

- Developing and learning the maintaining web application using **HTML, CSS, React.js, JAVA, Python, SQL, MYSQL**,and **ORACLE**.
- Developed and enhanced interactive, user-facing features using HTML, CSS, and JavaScript, focusing on responsive design and cross-browser compatibility.Optimized fronted performance and state management to ensure a smooth and engaging User Experience(UX).
- Built and maintained robust server-side applications and RESTful APIs using Java (or a specific framework like Spring Boot) and Python (or a specific framework like Django/Flask).Implemented core business logic, security protocols, and third-party integrations to support application functionality and scale.
- Designed, queried, and managed relational databases (SQL, MySQL, Oracle) for data integrity and efficient retrieval, and utilized NoSQL databases (e.g., MongoDB) for flexible data modeling.

## TECHNICAL SKILLS

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**Languages:** Python, Java, JavaScript, SQL, NoSQ, MySQL, HTML5, CSS3, JS

**Developer Tools:** VS Code, Google Collab, Anaconda, Turbo C++, Eclipse IDE, MySql Workbench

**Technologies/Frameworks:**GitHub, Git,MySQL,PostgreSQL, ORACLE

## CERTIFICATIONS

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- DataScience Intern - Shadow Minds
- Python Intern - White and Box
- Software Development- Outrix

## LANGUAGES

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- English - Proficient
- Kannada - Native
- Hindi - Intermediate

## SOFT SKILLS

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- Communication
- Team management
- Written/Spoken
- Quick Learner
- Leadership

## HARD SKILLS

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- General Development/Development Programming
- Programming Languages
- Bug Fixing/Debugging

## HOBBIES

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- Listening Music
- Dance
- Athletics
- Games
- Reading