






Pushpalatha S

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Professional Summary

Enthusiastic and detail-oriented Computer Science Engineering student with hands-on experience in AI, and application development. Adept at leveraging technical skills to design innovative solutions, optimize processes, and enhance user experiences. Seeking to contribute expertise in software development and emerging technologies to a dynamic team.

Education

B.Tech in Computer Science and Engineering , Presidency University, Bengaluru	2026
PCMB , Vidyanidhi Independent PU College	2022
SSLC , Nisarga Public English High School	2020

Projects

Smart Waste Segregation System, Arduino (C)

- Engineered a smart waste prototype using IR, moisture, and metal sensors with 360° motor.
- Achieved ~90% sorting accuracy during 20+ lab trials; programmed in embedded C.

AI-Based Personal Assistant, Raspberry Pi

- Developed a voice assistant using Python, Raspberry Pi, and Google APIs.
- Automated information retrieval and basic OS tasks using PuTTY and integrated mic/speaker system.

Farmer Market App

- Designed and deployed a Java-based Android application enabling 5+ farmers to sell produce directly.
- Delivery tracking, improving access to supplies by 40% in test phase.

Communication Aid for Hearing-Impaired

- Developed a Raspberry Pi-based wearable glove using flex and IR sensors to convert gestures into text on an LCD, enabling real-time, cost-effective communication for accessibility.

Skills

CORE-Java, C, Python, MySQL, DBMS, Android Studio, DSA	Time Management	Communication
	Problem Solving	
Leadership		

Certifications

- IEEE Hackathon - Best Innovation Award (100+ participants) - SIT Tumkur, for the project "Communication Aid for Hearing-Impaired"

Languages

- English
- Kannada