

# Rani Ramanath Kini

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[github.com/ranirkini2004](https://github.com/ranirkini2004) | [My Portfolio](#)

## EDUCATION

### Canara Engineering College

Bachelor of Engineering in Computer Science and Engineering

CGPA: 9.17

Mangaluru, Karnataka

Nov. 2022 – Present

### Kendriya Vidyalaya INS Kadamba Arga Karwar (CBSE)

Pre-university course-PCMCs

Percentage: 91

Karwar, Karnataka

April. 2021 – June. 2022

### Kendriya Vidyalaya INS Kadamba Arga Karwar (CBSE)

X School

Percentage: 80.2

Karwar, Karnataka

April. 2019 – March. 2020

## TECHNICAL SKILLS

**Languages:** C, Core Java, Fundamentals of Python, SQL (MySQL)

**Backend:** Firebase

**Web Development:** HTML, CSS, ReactJS(Basic)

**No Code Platform:** Flutterflow

**Developer Tools:** Git, VS Code, Jupyter Notebook

## PROJECTS

### NavAI: Smart Indoor Guide for the Visually Impaired | Flutter, Dart, TFLite Sept. 2025 – Present

- Architected a Flutter app for visually impaired users, providing real-time audio navigation using a custom-trained YOLOv8 model (34 classes).
- Integrated a DQN model to analyze visual/pose data and generate actionable voice commands (e.g., "Stop", "Turn left").
- Engineered a hybrid shake-to-alert (SMS-then-Call) emergency system and implemented smart sensor logic for auto-flashlight and ground-scanning tilt detection.

### FindMyRecipe | ReactJS, Vite, Tailwind CSS, Flask, MySQL

May. 2025 – August. 2025

- Built an interactive recipe discovery platform using React to help users find dishes through advanced filtering or based on ingredients they own.
- The application features AI-powered recipe generation and a complete user account system for uploading, editing, and deleting personal recipes.

## HACKATHONS AND COMPETITIONS

### • TITAN 'MakeforMangaluru' Makeathon

August 2025

Prototyped a secure payment architecture using an escrow model with automated split payments to guarantee fair and direct disbursement to artisans.

### • SAP Hackfest – Idea Pitch

May 2025

Pitched a blockchain-based marketplace concept designed to provide artisans with direct market access and ensure fair trade through a transparent supply chain.

## COURSES AND CERTIFICATES

### • Introduction to Web Design and Development - LinkedIn Learning

Dec 2024

Completed LinkedIn Learning's Web Design and Development course, gaining foundational knowledge in HTML, CSS, and basic web development.

### • SQL (Basic) HackerRank

July 2024

Completed HackerRank SQL (Basic) certification, demonstrating proficiency in data retrieval, filtering, sorting, and basic database management.