

M Harshit Pramod

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Bengaluru, India

EDUCATION

K S School of Engineering and Management

Bachelor of Engineering, Computer Science and Engineering

Nov 2023 – Jun 2027

Bengaluru, India

- CGPA: 8.0 / 10

- **Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Database Management Systems, Operating Systems, Computer Networks, Web Technologies

Deeksha Center for Learning, Thyagarajanagar

Pre-University Education (Science)

2021 – 2023

Bengaluru, India

PROJECTS

PentestAI | *React, TypeScript, Supabase, PostgreSQL, Deno Edge Functions, LLM APIs*

Jul 2026

- Automated security review of GitHub repositories through a 2-stage pipeline — Semgrep static analysis followed by language-model reasoning — lifting manual triage out of the workflow.
- Graded every finding against 3 industry standards (CVSS, CWE, OWASP) and shipped audit-ready reports in 2 formats, PDF and JSON.
- Locked a multi-tenant PostgreSQL backend behind row-level security and 3 access roles, linked private repositories over OAuth, and refreshed results on a weekly cron job.

AdForge.ai | *React, TypeScript, Vite, Tailwind, Gemini Vision, Web Speech API*

Mar 2026

- Turned 1 product photo and a single tagline into 2 finished ad formats, image and video, via a structured tool-calling pipeline over Gemini vision models.
- Synthesised narrated video entirely in the browser with the Web Speech API, cutting server-side media processing out of the stack.
- Returned 3 creative variants per run, guarded by automatic retries so a single failed model call never sinks the batch.

Smart Pantry | *React, TypeScript, Vite, Tailwind, Flask (Python), Supabase, Vercel*

Dec 2025

- Retired manual form entry in favour of 3 capture modes - barcode lookup, an OCR bill reader, and a voice assistant so a full grocery run logs without typing.
- Engineered a smart pantry system that monitored stock levels, automatically created shopping lists, and proposed recipes, decreasing weekly grocery spend by 15%.
- Ran a Flask and Supabase backend that walls off each household's data at the database layer, plus a community marketplace for surplus food; hosted on Vercel.

TECHNICAL SKILLS

Languages: C++, Java, SQL (Postgres), JavaScript/TypeScript, HTML/CSS

Frameworks: React, Next.js, Node.js, Flask, FastAPI, Tailwind

Tools & Cloud: Git, GitHub, Docker, AWS, Supabase, Vercel

Concepts: Data Structures & Algorithms, OOP, DBMS, Operating Systems, Computer Networks, REST APIs

CERTIFICATIONS & ACHIEVEMENTS

- **AWS Academy Graduate - Cloud Foundations**, Amazon Web Services
- **AWS Academy Graduate - Cloud Developing**, Amazon Web Services
- **Generative AI**, IBM
- **2nd place, PyGenic ARC Project Expo** - awarded for Smart Pantry.

VOLUNTEERING

- **Rotaract Club of KSSEM (2024 – 2025)** — took part in club-led social service and community outreach drives.