

NISHIT S K

+91 7483543085 — nishitsk42@gmail.com — github.com/NishitSK — linkedin.com/in/nishit-s-k

Education

Sahyadri College of Engineering and Management

2023–2027

Bachelor of Engineering in Computer Science and Engineering

CGPA: **9.04/10** (Till 6th Semester)

Canara PU College

Class XII (PUC): **92.8%**

Skills

Languages	Python, Java, C++, JavaScript, TypeScript, SQL
Frameworks	React.js, Next.js, Node.js, Express.js, FastAPI, Tailwind CSS
Databases	MongoDB, MySQL, Redis
Cloud & Data	AWS EC2, Amazon S3, Docker, Apache Spark, Apache Airflow
Developer Tools	Git, GitHub, Linux, Postman

Experience

Student Intern – Urudha

May 2026 – Jul 2026

Next.js, React.js

- Developed frontend features and reusable UI components for the HuskyBusky platform using Next.js and React.
- Collaborated using Git-based workflows to deliver responsive and maintainable web interfaces.

Projects

Carbon-Aware Decision Support System

React — Node.js — Express.js — MongoDB — FastAPI — Python

- Developed a cloud workload scheduler optimizing deployment using carbon intensity, compute cost and network latency.
- Integrated live Electricity Maps API data with intelligent caching and scheduling analytics.
- Implemented FastAPI microservices and compared rule-based and reinforcement learning scheduling strategies.
- Built workload simulation, scheduling history and analytics dashboards.
- Designed a modular architecture separating frontend, backend, scheduler and analytics services.

Cloud-Native Medallion Data Lake Platform

Apache Spark — Apache Airflow — Amazon S3 — AWS EC2 — Docker — Streamlit

- Built an end-to-end ETL platform implementing the Raw → Bronze → Silver → Gold Medallion Architecture.
- Automated CSV ingestion to Amazon S3 and orchestrated Spark jobs using Apache Airflow DAGs.
- Processed datasets with Apache Spark for validation, transformation and aggregation.
- Deployed Airflow, Spark and Streamlit services on AWS EC2 using Docker Compose.
- Implemented monitoring, retry mechanisms, incident logging and data validation.

Pantry Guardian – AI Kitchen Inventory System

Next.js — FastAPI — MongoDB — Google Gemini — Tesseract OCR

- Built an AI-powered inventory system using OCR-based receipt scanning.
- Designed a FastAPI microservice architecture for image processing.
- Implemented expiry prediction, spoilage alerts and AI-powered recipe recommendations.
- Integrated Clerk authentication with a responsive user interface.

Certifications

Python Foundation Certification – Infosys Springboard

Jun 2025

Java Foundation Certification – Infosys Springboard

Dec 2024

Achievements

- Top 15 – MAKEFOR MANGALURU (Titan Design Impact Movement), 2025.
- Participant – CodeSprint 2026, 32-Hour National Level Hackathon.