

# KABILAN K

## MERN Stack Developer

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### SUMMARY

Recent B.E. Computer Science graduate with hands-on experience in MERN stack development. Built real-world applications including AI-powered quiz platforms, role-based billing systems, secure e-commerce applications, and full-stack web solutions. Strong interest in backend development, authentication, deployment, and scalable system design.

### PROJECTS

#### 🧠 Dude Quizz AI – One-Mark Quiz Platform

🔗 <https://dude-quiz.vercel.app/>

**Tech Stack:** MERN Stack, Ollama AI, KaTeX, Vercel.

- Developed an **AI-powered quiz application** focused exclusively on **one mark questions** for Tamil medium students.(Class-10,11,12).
- Integrated **AI-based doubt clarification** and **KaTeX** for textbook-style mathematical formula rendering.
- Designed a **lightweight, user-friendly test flow**, actively used by ~25 students.

#### 💻 Billing Software – Role-Based Billing & Inventory System

🔗 <https://billing-kabi09.vercel.app/>

**Tech Stack:** React.js, Node.js, Express.js, MongoDB, JWT, SMTP/Nodemailer

- Built a **role-based billing system** where Admin manages workers, products, and reports, and Workers handle billing and customer creation.
- Implemented **JWT authentication, GST invoice generation, barcode scan/read, and thermal printer integration.**
- Automated **daily, monthly, and yearly sales reports** with email delivery and **weekly MongoDB backups.**

#### 🛒 E-Commerce Website – Secure Payments & Fake Review Prevention

**Tech Stack:** MERN Stack, JWT, Razorpay API, Nodemailer, Vercel

- Developed a **JWT-secured e-commerce application** with **Razorpay payment gateway** integration.
- Implemented **unique product code generation** using **timestamp + random alphanumeric values**, delivered via email after purchase.
- Enabled **verified-buyer review submission** with warnings, auto-fill support, and **account blocking** after multiple invalid attempts.

#### 🐾 Pet Adoption Platform

**Tech Stack:** React.js, Node.js, Express.js, MongoDB

- Developed a **full-stack pet adoption platform** connecting pet adopters and shelters.
- Implemented **role-based access** with admin and adopter modules for managing pet listings and adoption requests
- Designed a **user-friendly workflow** to improve adoption efficiency.

### EDUCATION

#### B.E. Computer Science & Engineering – 2025

**E.G.S. Pillay Engineering College, Nagapattinam**

CGPA

7 / 10

#### HSC – 2021

**St Sebastian's Higher Sec School, Kameswaram**

Percentage

84 / 100

#### SSLC – 2019

**St Sebastian's Higher Sec School, Kameswaram**

Percentage

73 / 100

### SKILLS

HTML CSS Java Script React js

Node js Express Js RESTful APIs

MongoDB

JWT Role-Based Access Control

Vercel GitHub CI/CD Git Postman

VS Code Nodemailer AI Integration

### PROFESSIONAL EXPERIENCE

#### 3 Month Full Stack Web Development

**Intern Virtual**

**Pantech.ai**

- Gained hands-on experience in **frontend and backend development** using **HTML, CSS, JavaScript, React, Node.js, Express.js, and MongoDB.**
- Built and tested **full-stack web applications** and REST APIs.

#### 30 Days MasterClass – Full Stack Development

**NoviTech R&D Pvt Ltd**

Completed intensive training focused on **full-stack application development** and **real-time project implementation**

### CERTIFICATIONS

•React.js – GUVI (HCL & Google for Education Partner)

•Node.js – GUVI (HCL & Google for Education Partner)

•MERN Stack: All You Need to Know with Practical Project – Udemy

•Build a Backend REST API with Node.js from Scratch – Udemy