

# DINESH KUMAR S

AI AUTOMATION ENGINEER | PYTHON BACKEND DEVELOPER | FULL STACK DEVELOPER

OPEN TO REMOTE ROLES GLOBALLY

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GitHub: [github.com/DINESHREX](https://github.com/DINESHREX)

Portfolio: <https://dk-portfolio-three.vercel.app/>

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## PROFESSIONAL SUMMARY

AI Automation Engineer and Python Backend Developer with hands-on experience building AI-driven applications, workflow automation systems, encrypted vaults, and full-stack SaaS platforms. Skilled in Python, FastAPI, LangChain, OpenAI API, React.js, and MongoDB. Specialized in LLM integration, secure backend systems, API engineering, prompt engineering, and data-driven solutions. Strong ability to convert business requirements into scalable, production-ready applications with clean UI/UX and optimized backend logic.

## TARGET ROLES

- AI Automation Engineer
- Python Backend Developer
- LLM Developer / AI Engineer
- Full Stack Developer

## CORE SKILLS

**AI & LLM:** LangChain | OpenAI API | TensorFlow | Prompt Engineering

**Backend:** Python | FastAPI | Node.js | REST APIs | JWT

**Frontend:** React.js | Tailwind CSS | Chart.js

**Database:** MongoDB | SQLite

**Tools:** Git | GitHub | Vercel | API Integration

## PROJECTS

### RVM RIDEWAY – CAB BOOKING SYSTEM

**Tech:** React, Node.js, Express, MongoDB, JWT, Tailwind CSS

**Live:** <https://rvm-rideway-mvp.vercel.app>    **GitHub:** <https://github.com/DINESHREX/rvmrideway>

**Key Contributions:**

- Built complete frontend with booking flow & admin dashboard
- Integrated backend APIs for authentication, ride booking & driver assignment

**Impact:**

- Delivered fully working MVP improving booking experience

### AI INSIGHT DASHBOARD – BUSINESS ANALYTICS PLATFORM

**Tech:** React, FastAPI, Python, Chart.js

**Live:** <https://aiinsightdashboard.vercel.app>    **GitHub:** [https://github.com/DINESHREX/ai\\_insight\\_dashboard](https://github.com/DINESHREX/ai_insight_dashboard)

**Key Contributions:**

- Designed dashboard UI & interactive charts
- Integrated AI APIs for insights, predictions & automated recommendations

**Impact:**

- Enabled instant data-driven analysis for businesses

## HIDDEN SAFETY VAULT – ENCRYPTED FILE STORAGE SYSTEM

**Tech:** Python, PyQt, AES Encryption

**GitHub:** <https://github.com/DINESHREX/HIDDEN-DRIVE-VAULT>

**Key Contributions:**

- Implemented AES encryption/decryption
- Built complete PyQt UI with hidden vault workflow

**Impact:**

- Achieved secure, invisible encrypted file storage

## RESUME MATCHER – AI RESUME ANALYZER

**Tech:** React, FastAPI, Python ML APIs

**Live:** <https://frontend-eight-tau-86.vercel.app>    **GitHub:** <https://github.com/DINESHREX/Resumebuilder>

**Key Contributions:**

Built resume upload & scoring UI  
Integrated similarity-scoring APIs for JD–resume matching

**Impact:**

Automated ATS scoring for resume matching

## BUSINESS LANDING PAGE – COMPANY WEBSITE

**Tech Stack:** React, Tailwind CSS

**Live:** <https://business-landing-pro.vercel.app/>

**GitHub:** <https://github.com/DINESHREX/business-landing-page>

**Description:**

A modern, responsive landing page designed for business promotions and branding.

## WORK EXPERIENCE

### Full-Stack Developer Intern – VCODEZ Technologies

Jan 2025 – Mar 2025 | Chennai, India

- Developed scalable backend APIs using Python, Flask, and Django
- Improved API response time by ~30%
- Collaborated with React teams to integrate APIs

## ACADEMIC HISTORY

### B.Tech – Computer Science & Engineering

- Dr. M.G.R. Educational and Research Institute, Chennai
- 2022 – 2026 | CGPA: 7.67/10

## CERTIFICATION

- AWS Data Science Certification – 2024
- Cisco Networking Academy – IoT & Digital Transformation – 2025

## LEETCODE PROFILE

- 48+ Problems Solved
- Strong acceptance rate (82%)
- Focus on Easy/Medium problem-solving