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

Portfolio: https://dkportfolio-nu.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
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