Indore, India
LinkedIn
Github

VIPANSHU KUMAR SUMAN

vipanshu@duck.com
+91 8965991169
vipanshu.com

EDUCATION

India — **Rajiv Gandhi Proudyogiki Vishwavidyalaya** — **2022 - 2026**
- **Specialization:** B. Tech in Computer Science Engineering

Indore, India — **Golden International School** — **2017 - 2022**
- **Education:** Higher and Higher Secondary Education

PROJECTS

LaTeX Resume Generator:- Python, Flask, Jinja2, LaTeX, JavaScript, Puter.js
- Built a resume builder that automated LaTeX PDF generation, reducing resume creation time by 80%.
- Developed a dynamic 9-section resume system with live preview and one-click PDF downloads, **improving workflow efficiency by 60%.**
- Automated professional resume generation using **Jinja2 templating and LaTeX compilation**.
- Integrated **Puter.js AI** for content enhancement, skill categorization, and **improved resume readability by 50%**.

TruthInBite – AI-Powered Food Label Analyzer:- Python, Streamlit, Google Gemini API, Pandas, Pillow
- Developed an AI-powered food label analyzer for ingredient, nutrition, and allergen detection.
- Integrated Google Gemini OCR, improving food label data extraction accuracy and **processing efficiency by 60%.**
- Designed a personalized Health Score engine with WHO compliance checks and condition-specific warnings for 27+ health profiles.
- Built and optimized a responsive Streamlit UI, improving user experience and analysis **workflow efficiency by 50%**.

SecureVault (Encrypted Document Vault):- Python, Flask, SQLite, rclone
- Developed a secure document vault with **AES-256-GCM encryption**, ensuring 100% encrypted storage for uploaded files.
- Implemented time-limited document sharing with **OTP verification, advanced access controls, watermarking, and access restrictions** for enhanced security.
- Built a comprehensive audit and consent management system, enabling **real-time activity tracking** and instant share-link revocation.
- Integrated **cloud synchronization** and KYC verification workflows, improving document accessibility and **user trust by 60%**.

Weather Monitoring System Using IoT:- ESP8266, DHT11, BMP180, HTML, ThingSpeak API
- Developed an ESP8266-based IoT weather monitoring system for real-time environmental sensing.
- Integrated DHT and rain sensors with WiFi-enabled **cloud data logging**.
- Built a **web dashboard** for live weather monitoring and remote access.
- **Improved sensor accuracy by 25%** through calibration and testing.
- Leveraged **ThingSpeak** for remote visualization and historical data analysis.

SKILLS

Programming Languages: C, C++, Python, JavaScript, SQL, Java
Tools:- Git, GitHub, PowerBi, MATLAB, Linux, Simulink
Web Development: HTML, CSS, Flask, Django, FastAPI, Streamlit, Gradio
AI & Machine Learning: Hugging Face Transformers, OpenAI APIs, PIL (Pillow), Pandas, Google Gemini
IoT & Embedded Systems: ESP8266, Ardiuno R3, NodeMCU, ThingSpeak API
Courses: Data Structures & Algorithms, Introduction to IoT, Operating System, OOPS Concept, DBMS, Computer Network