DEEPAK KUMAR TRIPATHY
Web Devloper || Gen AI Devloper

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PROFESSIONAL SUMMARY

Software Developer specializing in web development and Generative AI, with hands-on experience building full-stack and AI-driven applications. Strong background in React, backend integration, and computer vision projects. Experienced in translating real-world problems into functional products through hackathons, academic projects, and independent builds. Focused on writing scalable code, improving system accuracy, and delivering user-centered solutions.

EDUCATION

NIST University | 2023-2027 **B.Tech. in Computer Science and Technology**
- Current CGPA: 8.835
- Core coursework includes Data Structures, Full Stack Development, and Database Systems
- Participated in multiple technical projects, hackathons, and project expos

Khalikoat higher secoundary school | 2021-2023 **Intermediate (12th std)**
- Secured 77%
- Studied Physics, Chemistry, and Mathematics with strong analytical focus

Saraswati Sishu Vidya Mandir, Gsoainnuagaon| 2021 **Matriculation (10th std)**
- Secured 88.67%
- Built a solid academic foundation across core subjects

KEY ACHIEVEMENTS

Hack Arena Achievement

Secured Runner-up position among 40+ teams at Hack Arena, organized by IEEE Student Branch, Guru Nanak Institutions, Hyderabad

Project Expo Participation

Selected for Innovate 2025 Smart Hackathon, contributing as a core team member of Team HAVOC

Innovate 2025 Participation
Presented a working prototype at Project Expo 2025, NIST University Foundation Day, evaluated by industry and academic panels

CosmoHack1 2025 Participation
Participated in CosmoHack1 in 2025 , contributing as a Solo Participant

SKILLS

Programming Languages: JavaScript, Java, Python

Web Technologies: React.js, HTML5, CSS3, Tailwind CSS, Node.js

Databases & Backend: MongoDB, Firebase

AI & ML: OpenCV, TensorFlow, Keras, Computer Vision

Tools & Platforms: GitHub, Microsoft Azure, Excel, Framer Motion

PROJECTS

The Ghoomakkads - Let's Explore India

https://github.com/cooldkt143/The-Ghoomakkads.git

https://the-ghoomakkads.vercel.app/

• Created an AI-driven travel planning platform with personalized recommendations

• Integrated features like Ghoom-Bot, Surprise Trip Planner, and Safety Analyzer

• Improved travel decision accuracy using preference-based recommendation logic

Smart Student Handler -Your all-in-one AI academic assistant for attendance, study materials, and exam preparation.

https://github.com/cooldkt143/Smart-Student-Handler.git

• Designed an academic management system covering attendance, study material, and exam prep

• Integrated AI-based exam assistance and performance analytics

• Streamlined academic planning for students through centralized dashboards

Legal AI - Empower the Justice through Intelligence Automation

https://github.com/cooldkt143/legalAi.git

https://legal-ai-8w7f.vercel.app/

• Created an AI-based legal assistant to simplify complaint filing and legal awareness

• Structured separate workflows for citizens and police, improving data clarity

• Enabled IPC and CrPC section mapping with digital case record management

CREDEX.IO - Measure What you can build

https://github.com/cooldkt143/CREDEX.io.git

https://credex-io.vercel.app/

• Built a platform aggregating developer activity from GitHub, LinkedIn, and coding platforms

• Designed scoring logic to assess skill consistency, activity level, and credibility

• Developed a step-based React interface for recruiters and developers

Face Detection

https://github.com/cooldkt143/face-Detection.git

• Implemented a real-time face detection and recognition system using OpenCV

• Trained CNN models with TensorFlow and Keras for improved recognition accuracy

• Covered the complete pipeline from data collection to live webcam inference

Age and Gender Detection

https://github.com/cooldkt143/AgeAndGender-Recognition.git

• Developed a computer vision system for real-time and image-based age and gender classification

• Trained and optimized ML models using Python and OpenCV

• Enhanced prediction accuracy through preprocessing and hyperparameter tuning