

KUNAL SURYAWANSHI

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PROJECTS

GFG VIIT Club Website Development (MERN) :

- Developed a scalable website supporting 10,000 users with functionalities including user registration, team creation, event registration, and daily question(MCQ) using the MERN stack (MongoDB, Express, React, Node.js) along with Redux for state management.
- Applied role-based access control (RBAC) to manage permissions for administrators and participants.

EasyLink Helper (Labour Employment platform) :

- Developed a comprehensive Labor Employment System website using Django and Python; enabled over 1000 users to create customer or labourer accounts, showcasing skills through an intuitive interface designed for seamless interactions.
- Created a skill test system where labourers can take tests to evaluate their abilities and display scores on their profiles, enhancing transparency and trust for customers.

Developing a Women's Safest Path Prediction system :

- Utilized Kaggle datasets for district crime counts and geographical coordinates (latitude and longitude), preprocessing and merging them to create data for 387 districts across India.
- Implemented the A* algorithm to compute the safest path between two districts based on crime rates using machine learning for crime rate analysis.
- Data preprocessing to clean and combine datasets, ensuring accuracy and consistency in the model's input.

Developing an AI-driven PDF-to-PPT Generator:

- Utilized Natural Language Processing (NLP) and machine learning to enable users to input a PDF, specify a keyword and page number, and receive a customize, summarized PowerPoint presentation based on the extracted data.
- Integrated automated content extraction algorithms to remove headers, footers, and irrelevant sections, improving data relevance by 90%.
- Add a keyword matching system to identify and summarize relevant content, enhancing presentation quality and reducing manual effort by 80%.

EDUCATION

Bachelor of Technology in Computer Engineering VIIT (CGPA : 8.41)

2022-2026

HSC (Percentage : 79.68%)

SSC (Percentage : 96.40%)

TECHNICAL EXPERIENCE

Technical Head at **CSI VIIT Chapter** and **GFG VIIT Chapter**.

2024-2025

Computer Department Coordinator at **IEEE VIIT Student branch**.

2023-2024

SKILLS

Technical Skills : C++,python, java, HTML, CSS, JavaScript, Django, Flask, MERN stack, SQL,AI, Machine Learning.

Soft Skills : Strong communicator, effective presenter, proficient in time organization, analytical thinker (**1000+ DSA problems**), flexible, collaborative team member, and experienced leader in tech projects.

PUBLISHED PAPER

- 1) [Automation of Clinical Health Management System.](#)
- 2) [Advanced Gaming using Eye Gesture Recognition](#)
- 3) [PPT Generation from PDF Using NLP and ML.](#)