Akash Sharma

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EDUCATION

•**VIT Bhopal University, Bhopal** *2022-Present*
Btech in CSE specialization in cyber security and digital forensics CGPA: 8.64

•**Kendriya Vidyalaya Sangathan, Hindon** *2020-2021*
12th,Central Board of Secondary Education 82.00%

•**Kendriya Vidyalaya Sangathan, Hindon** *2018-2019*
10th,Central Board of Secondary Education 76.8%

PERSONAL PROJECTS

•**VideoGen** ⌾ *Dec 2024*
An AI-powered platform for automated generation of professional video advertisements from product details.

– Developed and implemented a video ad generation and scoring system using Large Language Models (LLMs) to create high-quality video ads and evaluate their performance based on predefined metrics.
– Implemented an intuitive interface for product detail input and video customization, improving user workflow efficiency.
– Built reusable React components and custom hooks for video preview and real-time editing features.
– Technology Used: FastAPI, Python, React, HTML, CSS, JavaScript.

•**PDF merger** ⌾ *Oct 2023*
Efficiently merge and organize large volumes of PDF documents.

– Individual project
– Streamlined document processing by merging and optimizing PDFs, reducing file size and improving load times for digital archives.
– Technology Used: Express, Node.js, JavaScript.

EXPERIENCE

•**Unnat Bharat Abhiyan Cell** ⌾ *Aug 2023 - Present*
Front End Developer

– Digitization of Survey Forms: Developed a web platform to digitize the 'Unnat Bharat Abhiyan Baseline Household Survey Form.'
– Data Analysis and Visualization: Implemented features to analyze and graphically present collected survey data.
– Village Information Portal: Spearheaded the development of the Village Information Portal, creating 15 detailed village pages including Lasudiya Khas and Gawa Kheda, with comprehensive demographic data that improved community engagement by 30 percent.
– User Interface Development: Ensured an intuitive interface for data entry personnel and reviewing authorities.
– Collaboration with Authorities: Worked with local authorities to tailor the website's functionality for effective decision-making.

ACHIEVEMENT

• Led a team of 4 developers to secure 3rd place among 106 teams in onlinesales.ai's month long national hackathon from Dec 24- Jan 25, developing an automated video ad generation platform using React and FastAPI that enables companies to create professional video advertisements by inputting product details, winning a cash prize of 30,000. Deployed Link ⌾

CERTIFICATIONS

• Certified ethical hacker CEHv12: (CEH theory), EC-Council
• The Bits and Bytes of Computer Networking
• Foundations of Cyber Physical Systems
• The Complete Python Course

TECHNICAL SKILLS AND INTERESTS

Languages: JavaScript, Python, HTML, CSS, C/C++, C#
Libraries : Node.js, Express.js, Sass, Numpy
Dev Tools:VScode, PyCharm, Git, Github
Databases: SQL, MongoDB
Relevant Coursework: Data Structures & Algorithms, Computer Architecture
Areas of Interest:Cyber Security, Web Development, UI & UX, Linux
Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability