

TUSHAR KUMAR

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SKILLS

Python, Java, JavaScript , AI/ML , Django, Flask , SQL, MySQL, PostgreSQL , NumPy, Pandas, Matplotlib, Scikit-learn, OpenCV, TensorFlow

EXPERIENCE & RESPONSIBILITIES

- **Digital Forensic Investigator – Cyber Privilege, Hyderabad (Present)**

Currently working on digital investigation cases, analyzing data breaches, securing digital evidence, and contributing to cybersecurity audits.

- **Core Team Member – HackWithIndia (Oct 2024 – Present)**

Collaborated with a team to organize hackathons, workshops, and tech events, fostering innovation and technical skills among students.

- **Lead – College Cybersecurity Team**

Implemented security protocols, conducted audits, and organized cybersecurity awareness programs.

- **DevRel Lead – HackWithIndia**

Focused on community engagement, organized coding challenges and hackathons, and collaborated with industry partners.

PROJECTS

- **EEG Classification (AI/ML)**

Built binary classifiers for EEG signals using EEGNet, TSception, and ViT as part of the IIT Roorkee summer internship selection process. Preprocessed EEG data using MNE-Python and achieved 87% classification accuracy.

- **Plant Disease Detection Model**

Built an AI model using Python, OpenCV, and deep learning to detect plant diseases. The model utilizes three deep learning models and three machine learning models to accurately identify diseases, including a segmentation model to highlight affected leaf areas.

- **Fake News Classifier**

Developed a machine learning model to classify news as real or fake.

- **University United**

Built a web application that enables students from various universities to connect, share resources, and collaborate on academic projects.

- **NexaVerse**

Created a teacher recommendation platform using a questionnaire and user preferences to map teaching styles with learners' needs.

- **Community Website**

Designed a community tech website showcasing student achievements, promoting innovation, and fostering collaboration.

- **Trace Chain**

Developed a blockchain-based website to store users' carbon footprint data and generate visual warnings when emissions exceed Thresholds.

ACHIEVEMENTS

- Pre-Finalist at **UHackathon 3.0**, UPES
- Pre-Finalist at **Vihaan007 Hackathon**, DTU
- Participant at **HackWithIndia**, India's largest student-run hackathon
- Student Lead for **HackwithUttarakhand Hackathon**
- Organizing Team Member for **Microsoft Community Day**

EDUCATION

Uttarakhand Technical University

Bachelor of Technology – Computer Science Engineering (2021–2025)

CGPA: 6

Kendriya Vidyalaya No. 1 BEG&C, Roorkee

Intermediate (2020) – 85.6%

Skyward Sr. Sec. Public School, Roorkee

High School (2018) – 81%