SUMAN ADHIKARI

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EDUCATION

Graphic Era Hill University   **2021 – 2025**
B.Tech in Computer Science, 8.7/10.00   *Dehradun, Uttarakhand*

WORK EXPERIENCE

Osmosys Software Solutions Ltd   **January 2025 – July 2025**
Associate Software Engineer Intern   *Hyderabad*
  – Designed and scaled web applications using **Django**, **Django REST**, and responsive **front-end frameworks**, to streamline user interactions across all applications, improving data flow efficiency by 40%
  – Implemented efficient **API integrations** for data extraction, reducing processing time by over **90%** and improving responsiveness.
  – Developed and deployed intelligent scraping tools with **Python**, using **Selenium** and **BeautifulSoup** for automated data collection.

PROJECTS

Women Safety Analysis-Vamika | *React, TypeScript, Vite, Tailwind CSS, shadcn/ui, Supabase*   **March 2025**
  – Engineered **Vamika Safe Guard Buddy** using Vite, a web application featuring real-time alerts and hazard tracking, enabling **80% accuracy** in identifying potential safety threats during user testing.
  – Integrated **3+ modular safety features** including real-time user alerts, status indicators, and push notifications, improving user responsiveness by **60%**.
  – Built **high-performance**, ML-ready app using **Vite** for **future extensibility**.

Liveliness Detection System | *Python, OpenCV, PyCharm*   **June 2024**
  – Operated a real-time human presence verification system processing **30 frames per second** to ensure system responsiveness and reduce false negatives by **15%**.
  – Directed custom scripts to process and split data from video frames, enhancing accuracy by **25%**.
  – Compiled and pre-processed **8,000+ image samples**, increasing model precision by **25%** through enhanced training variety.
  – Achieved an accuracy of **85%** on testing data.

Dev Bhoomi Tourism | *HTML, CSS, JavaScript*   **January 2024**
  – Created a **responsive tourism site** highlighting **15+ locations**, boosting hackathon judges' user satisfaction ratings by **20%**.
  – Integrated Stripe for payments; enabled **50+** secure transactions with **feedback system** and **interactive maps**.
  – Simplified and **user-friendly platform** showcasing key attractions and travel resources.

SKILLS

Languages: C, C++, Python, SQL, JavaScript
Web Technologies: Django, Django REST, Angular, HTML, CSS, PHP
Tools: Git, GitHub, VS Code, Eclipse, Google Colab
Frameworks & Libraries: Selenium, BeautifulSoup, OpenCV, Tailwind CSS
Coursework:Machine Learning, Operating Systems, Data Structures,Object Oriented Programming
Other: Linux, OOP, Data Structures, REST APIs

ACHIEVEMENTS

  • Solved 500+ DSA problems on platforms like Leetcode, Codeforces, and GeeksforGeeks.

  • Engaged in a 24-hour Graph-a-thon coding competition.

  • Participated in a 24-hour Hack-o-Holic coding challenge.

CERTIFICATIONS

  • The complete web development bootcamp (certified by Udemy). Link

  • Machine learning with Python (endorsed by Coursera). Link

  • C++ programming from beginning to beyond (licensed by Udemy). Link

RESEARCH WORK

Movie Recommendation System Link

  • Presented a research paper on the **Movie Recommendation System** Using Machine Learning at the **3rd International Conference** on **Computational Intelligence, Security & Communication Technology (CISCT) 2023**.

  • Featured in **IEEE December 2023** issue, contributing to advancements in **AI research** and methodology.