

AMAN JOSHI

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CAREER OBJECTIVE

An individual specializing in AI and ML, pursuing a B.Tech degree, recognized for introducing innovative solutions that utilize technology to address real-world challenges. Dedicated to continuing learning to advance in the field.

Education

Graphic Era Hill University, B.Tech CSE with specialization in AI-ML Sep 2022 – Jun 2026

- GPA: 8.29/10 (Link)

Class XII, PCM | Percentage: 89 Apr 2021 - Jun 2022

EXPERIENCE

Software Development Intern, TBI, Graphic Era Deemed to be University (Link) Nov 2024 – Feb 2025

- Developed and optimized software solutions for startup incubation projects, improving efficiency and scalability.
- Collaborated with cross-functional teams to design and implement web applications and backend services.

Founder, CODING WORLD (Link) June 2023 – present

- Managed a channel with 2,000+ subscribers, creating content on coding and ethical hacking.

Patent

Intelli-Safe: Elevating Road Safety via Integrated Hardware and Machine Learning for Proactive Hazard Avoidance System. July 2024

- 202411049367 A, Mainly designed to detect potholes in various conditions, including when water filled.

Traffic Light Guard : An Automated car halting system at traffic light. Mar 2024

- 202411013629 A, Detects traffic signals from a distance, adjusts car speed based on signal status.

Projects

Cloud-Based Automated Certificate Management System

- Developing a cloud-based automated system for generating, verifying, and delivering certificates using Google Apps Script, Google Workspace, and Firebase ensures real-time updates and cross-platform compatibility.

Yoga Pose Detection

- An image classification model using the Mobile Net architecture, advanced class weighting to handle imbalanced datasets, and transfer learning to achieve optimized accuracy for multiclass classification.

Technical Skills

Programming: Python, C, Java, C++ , R, SQL.

Machine Learning: Model development, pose detection, image recognition.

Web Development: HTML, CSS, MySQL, Firebase.

Cyber security: Penetration testing, encryption, network security.

Awards

Robo Race, Graphic Era Hill University May 2024

- Secured victory in the robo race, organized by the Mechanical Department. (Link)

G20 - Best Researcher Award, Graphic Era Hill University Aug 2024

- Secured runner-up position. (Link)

Science Exhibition, Graphic Era Hill University Mar 2023

- Developed a smart car with cliff detection, with an automatic stopping mechanism. (Link)