Abhishek Choudhary
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EDUCATION

- **Bachelorof Technology in Artificial Intelligence and Machine Learning** *2022-26*
  UNIVERSITY SCHOOL OF AUTOMATION AND ROBOTICS, Surajmal Vihar New Delhi ***CGPA****-8.27*
- **Intermediate**
  KENDRIYA VIDYALAYA, New Delhi Year: 2022

TECHNICAL SKILLS anD INTERESTS

Languages: C, C++, Python, JavaScript, Java, Go
Libraries/Frameworks: React.js, Tailwind CSS, Next.js**,**Pandas
WebDevelopment Tools: Node.js, Git, GitHub
Databases: MongoDB, Firebase, MySQL
Soft Skills: Leadership skills, Teamwork, Proficient in English and Hindi

PERSONAL PROJECTS

- **AI-powered Enhancement for Rail Madad Complaint Management System**
  Developed an AI solution to automate multimedia complaint categorization, prioritization, and resolution using YOLO Object Detection, Vision Transformers, and NLP techniques. Integrated features like OCR, predictive maintenance, and AI chatbot support for multilingual communication to enhance user experience and streamline complaint handling.
  Technologies Used: Python, TensorFlow, YOLO, Vision Transformers, NLP, OCR, Machine Learning, AI Chatbot, Sentiment Analysis, Predictive Maintenance Models.

- **Video Capsule Endoscopy**
  Developed an AI model to detect affected areas inside the human intestines using video capsule endoscopy. Utilized a combination of machine learning and web technologies for effective diagnosis and user interaction.
  Technologies Used: Python, TensorFlow, React, Bootstrap, Flask.

- **Image Disease Detection Web Application**
  Built a full-stack web app for diagnosing skin diseases from user-uploaded images using machine learning. Created a user-friendly interface and secure backend services for real-time image processing and diagnosis.
  Technologies Used: React.js, Flask, TensorFlow, Keras, Python.

EXPERIENCE

AI Intern
IBM
July 2024 -August 2024

- I spearheaded a capstone project to develop a cutting-edge Water Potability Detector Model, using advanced AI techniques to transform water quality data into actionable insights.
- Participated in masterclasses led by Subject Matter Experts and worked on real-world AI projects.

ML Intern
University School of Automation and Robotics (USAR)
July 2024 – August 2024

- Worked under the guidance of Dr. Amit Choudhary on a brain tumor detection project, applying machine learning algorithms to analyze MRI images and detect tumors with high accuracy.
- Utilized convolutional neural networks (CNN) and other techniques for model development and performance evaluation.

POSITIONS OF RESPONSIBILITY

Software Development Coordinator, Intel OneAPI Students Club

- Led software development initiatives and team collaboration using Intel's OneAPI technology stack.

Social Media Coordinator, Google Developer Students Club & AWS Club

- Managed and enhanced the clubs' online presence and engagement across multiple social media platforms.

Open-Source Contributor, Hacktoberfest & GSSOC

- Collaborated & mentored on open-source projects to implement features, fix bugs, and improve documentation.

Placement Coordinator, Training and Placement Cell, USAR

- Managed tracking systems and coordinated recruitment events to support student career development.