Aditya Kumar Arya

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EXPERIENCE

CYBER SECURITY INTERNSHIP | Virtual & Self-Paced
Internship Program by C-DAC
January 2025 -- February 2025 | Remote

- Gained hands-on experience in cybersecurity tools and techniques, completing quizzes and advanced exercises under the Cyber Gyan project by C-DAC.
- Executed a project titled **"Streamlining Malware Analysis: Introducing Cuckoo Sandbox"**, demonstrating practical knowledge in malware detection and analysis.
- Earned a C-DAC certificate upon completion, recognized by MeitY, for successfully completing a 6-week virtual internship focused on cybersecurity fundamentals and advanced modules.

PRODUCT ENGINEERING INTERN | LiquidMind® Product
Consulting Pvt. Ltd. (Part of NVIDIA Inception Program)
February 2025 -- May 2025 | Remote

- Developing and optimizing GenAI-powered invoice extraction pipelines using OCR and LLM models in local environments and cloud-based systems.
- Implementing AI-driven document processing techniques to automate compliance workflows and enhance structured data extraction.
- Fine-tuning large language models (LLMs) for text recognition, information retrieval, and validation of extracted invoice data.

PROJECTS

JOB GENIE AI | AI-Based Interview Assistant

- Implemented real-time speech recognition to provide instant feedback after interview responses were recorded.
- Designed an intuitive UI using React.js and Next.js for seamless user interaction.
- Integrated Drizzle ORM for efficient database management and SQL for robust data handling.
- Leveraged Gemini for advanced conversational AI capabilities and personalized interview experiences.

CREDIT CARD FRAUD DETECTION | Machine Learning
Project

- Developed a fraud detection system using Isolation Forest and Local Outlier Factor, achieving an overall accuracy of 99.76% and 99.67%, respectively.
- Improved fraud detection capabilities with Isolation Forest, attaining a precision and recall of 31% and 32%, indicating its superior performance over other models.

BENGALURU HOUSE PRICE PREDICTOR | Machine
Learning Project

- Developed a regression model to predict house prices based on area, BHK, and other features, achieving 84.6% accuracy.
- Built the backend in Python using libraries like Pandas, NumPy, and scikit-learn.
- Connected the frontend to the backend via APIs for real-time predictions.

SENTIMENT ANALYSER | Machine Learning and NLP
Project

- Created a sentiment analysis model using LinearRegressionCV and preprocessed text data for accuracy improvement.
- Integrated the model with a web interface using Flask and built a user-friendly HTML frontend.

EDUCATION

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, UNA
B.Tech in Information Technology
November 2022 -- June 2026 | Una, Himachal Pradesh
CGPA: 7.04

TECHNICAL SKILLS

LANGUAGES
C/C++, JavaScript (MERN), Python, PostgreSQL, Kotlin

TECHNOLOGIES/FRAMEWORKS
Web Development, Machine Learning, Langchain, RAG, VectorDB, React.js, Bootstrap, Tailwind CSS, SQL, DSA, Git, GitHub, Figma, NLP, Neural Networks

POSITION AND RESPONSIBILITY

Social Media and Content Head, Sargam Club, IIIT Una (Feb 2024 - Feb 2025)
- Managed the club's social media presence to boost engagement and reach.

Vice President, Sargam Club, IIIT Una (Feb 2025 - Present)
- Lead club activities, fostering a vibrant cultural environment.
- Coordinated with teams to plan, organize, and execute events successfully.

ACHIEVEMENTS AND EXTRACURRICULAR

- Achieved a peak rating of 1630 (3-star) on CodeChef.
- Solved over 900 problems on CodeChef and LeetCode.
- 2nd best performer in Raag Samarpan, Mridang 2023.
- 3rd place in Battle of Bands, Mridang 2024.
- 2nd place in Basketball, Yalgaar 2023.

LINKS

- LinkedIn • GitHub • CodeChef
- Leetcode • Portfolio