

Arpit Yadav

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SKILLS

- **Languages:** C++, JavaScript, C, Python
- **Frameworks:** NumPy, Pandas, scikit-learn
- **Tools/Platforms:** GitHub, VS Code, Jupyter Notebook
- **Soft Skills:** Problem-Solving Skills, Logic building, Adaptability

PROJECTS

- **N8n_Agentic_Ai- [GitHub](#)** Sept 25 – Oct 25
 - Designed an autonomous multi-agent workflow using n8n to streamline end-to-end digital content operations.
 - Automated tasks including YouTube SEO optimization, thumbnail creation, video uploads, LinkedIn posting, and web SEO analysis with minimal human input.
 - Added LLM-based agents that plan tasks, take actions, and improve results using feedback.
 - Tech Used: n8n, OpenAI/Generative AI APIs, YouTube Data API, LinkedIn API, Automation Pipelines, REST Integrations, Webhooks
- **Agentic AI News Summarizer- [GitHub](#)** July 25-Aug 25
 - Developed an intelligent news summarization system using automated web scraping, NLP techniques, and LLM based reasoning models.
 - Automatically extracts full article content from URLs and generates concise, context-aware summaries using a configurable LLM workflow.
 - Improved context relevance and semantic understanding during summary generation.
 - Tech Used: Python, LangChain, OpenAI/Anthropic API
- **Blockchain-Based Certificate Validation System- [GitHub](#)** April 25-May25
 - Built an OCR pipeline to extract and clean text from certificates for verification
 - Created a large dataset of synthetic certificates to increase accuracy and real-world performance.
 - Helped develop the AI module using CNN and MobileNetV2 to detect tampering.
 - Achieved 96.88% accuracy in identifying fake or modified certificate elements like signatures, logos, watermarks, and QR codes.
 - Tech Used: Python, OpenCV, Tesseract OCR, TensorFlow/Keras, MobileNetV2, CNN, Synthetic Data Generation, Pandas, NumPy

CERTIFICATES

- The Bits and Bytes of Computer Networking - [Link](#) September 2024
- Introduction to Hardware and Operating Systems - [Link](#) September 2024
- Machine Learning A-Z™: Hands-On Python & R in Data Science - [Link](#) August 2023

ACHIEVEMENTS

- Solved 150+Leetcode Problems January 2024

EDUCATION

- **Lovely Professional University** Punjab, India
Bachelor of Technology - Computer Science and Engineering Since August 2023
- **Central Academy** Indira Nagar, Lucknow
Intermediate; Percentage: 80% April 2021 - March2022

