Vikas Pathak

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Education

VIT Bhopal University	**09/2022 – Ongoing**
Bachelor of Technology in Computer Science, 8.62 CGPA	*Bhopal Madhya Pradesh*
GN National Public School	**07/2019 – 06/2021**
Higher Secondary Certificate, 86.40 Percentage	*Gorakhpur, Uttar Pradesh*
Surya International Senior Secondary School	**07/2017 – 06/2019**
Secondary School Certificate, 91.40 Percentage	*Khalilabad, Uttar Pradesh*

Coursework

Courses: OOPs, DSA , Discrete Math, Linear Algebra, Calculus, Probability & Statistics, DBMS, ML, OS, DBMS

Certification: Cloud Computing NPTEL(2024), Bits and Bytes of Computer Networking , SIH certificate(2024), IBM Cyber Security Analyst, Marketing Analytics NPTEL(2025), Zenken N5

Technical Skills

Languages: Python, Java, JavaScript, HTML/CSS   **Tools**: GitHub, VS Code,PyCharm/IDEA,AWS, n8n
Frameworks: React, Node.js **Libraries**: pandas, NumPy, Matplotlib, PyTorch, OpenCV, Tensorflow

Projects

Emotion Detector | *Pandas,Tensorflow, PyTorch, OpenCV,VS Code*   Nov 2023
- Developed a machine learning model using the Tensorflow and OpenCV python library which detect real time face emotion
- Learned how to implement TensorFlow, Pytorch, OpenCV

Automated email Invoice Processing System | *n8n, AirTable, Google Drive, Open Router*   Feb 2025
- AI-Powered Classification and Data Extraction: Used OpenRouter (LLM) to extract quote pricing and new quote requests, and parsed invoice details (number, date, amount, vendor, customer, items) using AI.
- Workflow Automation and Efficiency: Integrated with AirTable for real-time tracking, significantly reducing time and human resource efforts required for parsing invoices from emails.

PDF QA System | *Python, LangChain, Astra DB, Gemini, PyPDF2*   July 2025
- Automated PDF text extraction, semantic indexing using Astra DB, and implemented AI-powered QnA with Gemini LLM for document-based answers.
- Enhanced response quality by generating structured answers via LLM prompting and built an interactive user loop that reduces manual search and verifies sources for accuracy.

Experience

Tsuroni Ltd. — Israel   Apr 2025 – jun 2025
AI Workflow Automation Intern — Remote
- Developing and implementing ***AI Agent workflows on n8n*** to automate complex business processes and improve efficiency.
- Collaborating with teams to identify automation opportunities and integrate AI solutions for optimized operations.

- Built end-to-end systems that extract, analyze, and process data (e.g., invoices, emails, reports) with real-time updates and minimal human intervention.

Student Internship Program   Oct 2024 – Present
Member, Cybersecurity Awareness Initiative
- Working with Bhopal Police to increase ***cyber awareness*** among the general public through educational campaigns and outreach programs.
- Developing and delivering engaging content to educate individuals on best practices for online safety and data protection.