

# Vikas Pathak

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## Education

### VIT Bhopal University

*Bachelor of Technology in Computer Science, 8.62 CGPA*

### GN National Public School

*Higher Secondary Certificate, 86.40 Percentage*

### Surya International Senior Secondary School

*Secondary School Certificate, 91.40 Percentage*

**09/2022 – Ongoing**

*Bhopal Madhya Pradesh*

**07/2019 – 06/2021**

*Gorakhpur, Uttar Pradesh*

**07/2017 – 06/2019**

*Khalilabad, Uttar Pradesh*

## Coursework

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

**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, JavaScript, HTML/CSS, SQL **Tools:** GitHub, VS Code, AWS, Wireshark, Linux Basics

**Libraries:** pandas, NumPy, Matplotlib

## 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.