

# Aditya Vikram Singh

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## Education

**Vellore Institute of Technology, Bhopal**

*Oct 2022 – July 2026*

Bachelor of Technology in Computer Science, CGPA - 8.45 (Expected)

**St. Fidelis College, Lucknow**

*April 2018 – May 2021*

Class XII: 81%, Class X: 88%

## Skills

**Business & Analytical Tools:** HubSpot, ChatGPT, Claude, Google Analytics, Microsoft Excel, SQL, Google Sheets.

**Technical Languages:** Python, JavaScript, TypeScript, Java, C/C++, HTML/CSS.

**Frameworks & Libraries:** React.js, Node.js, Express.js, TensorFlow, Scikit-learn.

**Core Competencies:** Data Analysis, Market Research, Workflow Automation, Strategic Communication, Cross-Functional Collaboration, Analytical Reasoning, Adaptability, Problem-Solving.

## Projects

**AI-Powered Market Research Automation — *Python, ChatGPT, Claude***

*May 2024 – Present*

- Automated market research by engineering a Python-based workflow with ChatGPT and Claude APIs to analyze new customer segments and competitors.
- Increased prospecting efficiency by 40% by structuring unstructured web data into actionable reports and generating data-driven target account insights.
- Formulated high-impact messaging strategies for digital campaigns by identifying and capitalizing on competitor weaknesses and emerging market trends.

**Business Intelligence Dashboard for Healthcare — *TypeScript, Node.js, SQL, AWS***

*Aug 2023 – Dec 2023*

- Spearheaded the design and deployment of a scalable BI dashboard to monitor and analyze 10,000+ daily healthcare transactions, providing leadership with real-time operational visibility.
- Extracted critical business insights on revenue health and operational bottlenecks by authoring complex SQL queries and presenting findings to stakeholders.
- Revamped a core business process by automating invoice generation, cutting processing time by 50% and significantly improving data accuracy.

**Social Media Content Analysis Engine — *Python, BERT, LSTM, Scikit-learn***

*Feb 2024 – Apr 2024*

- Constructed a machine learning model using BERT and LSTM to analyze unstructured social media data, achieving 78% accuracy in identifying key patterns and sentiments.
- Engineered robust data pipelines to preprocess and clean messy text, converting raw data into structured insights for strategic evaluation.
- Delivered a comprehensive analysis that provided actionable recommendations to inform content strategy, projecting a potential 15% improvement in user engagement.

## Achievements

- Amdocs Graduate Gen AI Hackathon 2024:** Advanced to the prototype submission round against a national pool of participants for designing an innovative Generative AI solution.
- IBM Certified Gen AI Professional:** Achieved a score of 81.11% in the "Gen AI Using IBM Watsonx" industry-recognized certification.

## Extracurricular Activities

- Project Lead, Community Greening Initiative (NSS):** Led and coordinated a team of 20 volunteers in a university-led project to plant over 10,000 trees, managing logistics and team collaboration.