

VIDIT RASTOGI

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Education

Vellore Institute Of Technology, Bhopal(Pursuing) <i>B.Tech Computer Science and Engineering</i>	2022 - 2026
Maharaja Agarsain Public School, New Delhi, India <i>12th (CBSE)</i>	CGPA: 8.25/10 2021 - 2022 80.33%
Maharaja Agarsain Public School, New Delhi, India <i>10th (CBSE)</i>	2019 - 2020 71.40%

Experience

Thinking Hats Entertainment Solutions Limited, India <i>Software Engineer Intern</i>	June 2025 – July 2025
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- Engineered and streamlined backend database systems to support internal analytics tools and improve overall data handling efficiency.
- Collaborated with a cross-functional tech team to analyze system bottlenecks and optimize SQL queries, improving performance through structured diagnostics and iterative development.
- Achieved a 3% improvement in data retrieval speed, directly enhancing tool responsiveness and contributing to improved internal workflow reliability.

Projects

VentureVision	Mar 2025 – April 2025
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- Python, Pandas, Matplotlib, Random-Forest, Scikit-Learn*
- Conducted comprehensive market research on 6,000+ startups across multiple sectors and funding stages.
 - Applied data analytics and predictive modeling (Random Forest, Python, Pandas) to identify key drivers of startup success.
 - Delivered strategic insights with 94% prediction accuracy, enabling more informed investment and growth decisions.

Flight-Mundus	Feb 2025 – Mar 2025
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- Python, Pandas, Matplotlib, XGBoost, Scikit-Learn*
- Investigated operational inefficiencies by analyzing 484,000+ flight records covering routes, schedules, and weather.
 - Designed a predictive model using XGBoost and performance metrics to highlight delay risk factors.
 - Provided actionable insights with 92% accuracy, supporting operational strategy, risk mitigation, and efficiency improvements.

GlycoVision	Jan 2025 – Feb 2025
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- Python, Pandas, OpenCV, Inception V3-ResNet*
- Researched diabetic retinopathy patterns to address a critical healthcare challenge.
 - Integrated advanced AI (Inception-ResNetV2, OpenCV) with structured data analysis to classify medical risk severity levels.
 - Developed a scalable decision-support tool with 79% accuracy, demonstrating potential for strategic healthcare planning and patient risk assessment.

Technical Skills

Skills: Data Structures and Algorithms, OOPS, Machine Learning, Cross-team Collaboration, Data-driven Decision Making, Market Research

Languages: Python, SQL

Technologies/Frameworks: Git/GitHub, Pandas, Numpy, Scikit-learn, XGBoost, TensorFlow, PyTorch, Keras, OpenCV, Matplotlib, MySQL, Streamlit, AWS, Hubspot, VBA, Tableau, Power BI, API Integration

Extracurricular

Software Development Club, VIT <i>Side Core Committee Member</i>	Sep 2023 - Oct 2023
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VIT, Bhopal

- Designed and executed engagement strategies to increase member participation, driving higher involvement in events and workshops.
- Supported strategic planning and execution of club activities by aligning editorial, technical, and event-management efforts with the club's growth objectives.

Certificates

- [Application Integration Professional \(Oracle\)](#)
- [Artificial Intelligence \(Google\)](#)
- [Blockchain Developer \(IBM\)](#)
- [Free Crash Course in Machine Learning](#)
- [The Bits and Bytes of Computer Networking \(Google\)](#)