

# VIDIT RASTOGI

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## Education

<b>Vellore Institute Of Technology, Bhopal(Pursuing)</b> <i>B.Tech Computer Science and Engineering</i>	<b>2022 - 2026</b> <i>CGPA: 8.26/10</i>
<b>Maharaja Agarsain Public School, New Delhi, India</b> <i>12th (CBSE)</i>	<b>2021 - 2022</b> <i>80.33%</i>
<b>Maharaja Agarsain Public School, New Delhi, India</b> <i>10th (CBSE)</i>	<b>2019 - 2020</b> <i>71.40%</i>

## Experience

<b>Thinking Hats Entertainment Solutions Limited, India</b> <i>Software Engineer Intern</i>	<b>May 2025 – June 2025</b>
<ul style="list-style-type: none"><li>Engineered and streamlined backend database systems to support internal analytics tools and improve overall data handling efficiency.</li><li>Collaborated with a cross-functional tech team to analyze system bottlenecks and optimize SQL queries, improving performance through structured diagnostics and iterative development.</li><li>Achieved a 3% improvement in data retrieval speed, directly enhancing tool responsiveness and contributing to improved internal workflow reliability.</li></ul>	

## Projects

<b>VentureVision</b> <i>Python, Pandas, Matplotlib, Random-Forest, Scikit-Learn</i>	<b>Mar 2025 – April 2025</b>
<ul style="list-style-type: none"><li>Analyzed and systematized over 6,000 startup records across sectors, funding stages, and domains to identify patterns in startup success.</li><li>Engineered a Random Forest model with 94% accuracy and visualized feature importance to improve interpretability.</li></ul>	
<b>Flight-Mundus</b> <i>Python, Pandas, Matplotlib, XGBoost, Scikit-Learn</i>	<b>Feb 2025 – Mar 2025</b>
<ul style="list-style-type: none"><li>Spearheaded the development of a flight delay prediction model using XGBoost in Python.</li><li>Analyzed over 484,000 flight records—incorporating departure/arrival times, routes, and weather data using multiple metrics to evaluate model performance and identify key delay factors.</li><li>Achieved a 92% prediction accuracy, surpassing the baseline Random Forest model by 5%.</li></ul>	
<b>GlycoVision</b> <i>Python, Pandas, OpenCV, Inception V3-ResNet</i>	<b>Jan 2025 – Feb 2025</b>
<ul style="list-style-type: none"><li>Developed a learning model by integrating Inception-ResNetV2 to classify diabetic retinopathy stages with achieved accuracy of 79%.</li><li>Trained on a curated IEEE dataset of approximately 5578 retinal images. Classified images into four severity levels: No DR (0), Mild (1), Moderate (2), Severe (3), based on retinal damage progression.</li></ul>	

## Technical Skills

**Skills:** Data Structures and Algorithms, OOPS, Machine Learning  
**Languages:** Python, SQL  
**Technologies/Frameworks:** Git/GitHub, Pandas, Numpy, Scikit-Learn, Matplotlib, MySQL, Streamlit, AWS(Basic)

## Extracurricular

<b>Software Development Club, VIT</b> <i>Side Core Committee Member</i>	<b>Sep 2023 - Oct 2023</b> <i>VIT, Bhopal</i>
<ul style="list-style-type: none"><li>Facilitated member participation, contributed to the editorial work, supported code development, and volunteered at various events.</li></ul>	

## Certificates

- Artificial Intelligence (Google)
- Blockchain Developer (IBM)
- Free Crash Course in Machine Learning
- The Bits and Bytes of Computer Networking (Google)