VIDIT RASTOGI

Delhi | viditrastogi2005@gmail.com | 8130302618 | linkedin.com/in/vr2005 | github.com/V2005R

Education

Vellore Institute Of Technology, Bhopal(Pursuing)	**2022 - 2026**
B.Tech Computer Science and Engineering	*CGPA: 8.29/10*
Maharaja Agarsain Public School, New Delhi, India	**2021 - 2022**
12th (CBSE)	*80.33%*
Maharaja Agarsain Public School, New Delhi, India	**2019 - 2020**
10th (CBSE)	*71.40%*

Experience

Thinking Hats Entertainment Solutions Limited, India **May 2025 – June 2025**
Software Engineer Intern

- 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**
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**
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**
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, Matplotlib, MySQL, Streamlit, AWS(Basic), Hubspot (basic familiarity), AI Automation Apps (ChatGPT, Claude), Excel

Extracurricular

Software Development Club, VIT **Sep 2023 - Oct 2023**
Side Core Committee Member *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

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