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

- Analyzed and systematized over 6,000 startup records across sectors, funding stages, and domains to identify patterns in startup success.
- Engineered a Random Forest model with 94% accuracy and visualized feature importance to improve interpretability.

Flight-Mundus **Feb 2025 – Mar 2025**
Python, Pandas, Matplotlib, XGBoost, Scikit-Learn

- Spearheaded the development of a flight delay prediction model using XGBoost in Python.
- 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.
- Achieved a 92% prediction accuracy, surpassing the baseline Random Forest model by 5%.

GlycoVision **Jan 2025 – Feb 2025**
Python, Pandas, OpenCV, Inception V3-ResNet

- Developed a learning model by integrating Inception-ResNetV2 to classify diabetic retinopathy stages with achieved accuracy of 79%.
- 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.

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

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

- Facilitated member participation, contributed to the editorial work, supported code development, and volunteered at various events.

Certificates

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