VIDIT RASTOGI

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Education

Vellore Institute Of Technology, Bhopal(Pursuing)	**2022 - 2026**
B.Tech Computer Science and Engineering	*CGPA: 8.31/10*
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

- Optimized backend database systems using SQL, improving data retrieval speed by 3% and enhancing system responsiveness.
- Contributed to internal tool performance enhancements that correlated with a measurable 0.07% rise in company stock value.
- Collaborated in a cross-functional team within a tech-focused media and merchandising company expanding in entertainment and content licensing.

Projects

Startup Success Rate Prediction   **April 2025 – May 2025**

Python, Pandas, Matplotlib, XGBoost, Scikit-Learn

- Analyzed 75,000 startup records with sector, funding, and domain data to predict success likelihood.
- Achieved 92% accuracy using hyperparameter-tuned XGBoost, improving over an initial Random Forest model (83%).
- Visualized insights and key features contributing to startup success for better model interpretability.

Diabetic Retinopathy Prediction   **Jan 2025 – Feb 2025**

Python, Pandas, OpenCV, Inception V3-ResNet

- Developed a deep learning model using InceptionV3-ResNet to classify diabetic retinopathy stages with 79% accuracy.
- Trained on a curated IEEE dataset of approximately 5578 retinal images (datapoints).
- 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, Machine Learning

Languages: Python, SQL

Technologies/Frameworks: Git/GitHub, Flask, Pandas, Numpy, Scikit-Learn, Matplotlib, SQLite, Streamlit

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