

Thakur Vishwanath Singh

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SKILLS

Languages: C++, Java, C, Python
Frameworks/Libraries: HTML, CSS & Selenium
Tools/Platforms: MySQL, Tableau, Tableau Prep, R, Git, GitHub, Tableau Desktop, MS-Excel.
Soft Skills: Interpersonal Communication, Problem-Solving, Teamwork, Adaptability, Quick Learner

PROJECTS

- Automated Testing for Travel Ease Platform | Selenium, Java** Dec 2024 – Jan 2025
- Built a test automation framework from **scratch using Selenium and Java**, enhancing test efficiency.
 - Automated end-to-end UI tests for key features like hotel booking, flight reservations, and payment processing.
 - Integrated test scripts with **JUnit** and **Maven**, **ensuring structured test execution**.
 - Configured Jenkins pipelines for automated test execution, **enabling continuous validation and deployment**.
- Medi Scan AI| Python** Jan' 2025 -Feb' 2025
- Developed an AI-powered tool for early disease detection through medical **image analysis**
 - Built high-accuracy deep learning models using **TensorFlow** for diagnostic predictions
 - Designed an interactive **Streamlit**-based interface for real-time medical assessments
 - Optimized **Data preprocessing** and augmentation techniques to enhance model performance
- Customer Churn Prediction using XGBoost | Python** Jul'2024 – Aug'2025
- Built a **classification model** to predict customer churn based on transaction history
 - Applied **feature selection** and **engineering techniques** to improve model accuracy
 - Trained an optimized XGBoost model**, tuning **hyperparameters (learning rate, max depth, number of estimators, gamma, subsample ratio)** using **GridSearchCV** and **Bayesian Optimization**

SUMMER TRAINING

- Complete Machine Learning & Data Science | GeeksforGeeks** Jun' 2024 – Jul' 2024
- Gained hands-on experience in machine learning algorithms, **model evaluation**, and **data preprocessing**
 - Developed expertise in **supervised** and **unsupervised learning**, including regression, classification, and clustering techniques

CERTIFICATES

Responsible & Safe AI Systems | [NPTEL](#) Oct' 2024
Data Structures and Algorithms | [Udemy](#) Nov' 2023
Generative Artificial Intelligence with LLM | [Coursera](#) Apr' 2024

EXTRACURRICULAR ACTIVITIES

- Finalist in the Hackathon Idea Hub 2.0:**
- In January 2024 Participated and ranked as **finalist team** organized by Narsee Monjee Institute of Management Studies (NMIMS)
- Oasis | Under the Department Welfare Wing (LPU, India)** Jan'23 – May'23
- Media Head, Oasis Club** (Handled real-time challenges by staying adaptable and focused, ensuring the event stayed on schedule and met all objectives)

EDUCATION

Lovely Professional University Phagwara, Punjab
Bachelor of Technology in Computer Science and Engineering CGPA:7.7 Pursuing

Sri Chaitanya Junior Kalasala Hyderabad-Telangana
Intermediate Mar' 2020 – May' 21
PCM; Percentage: 81%

St. Joseph's Public School Hyderabad-Telangana
Matriculation Mar' 2018 – May' 2019
Percentage: 76%