

JAY TELGOTE

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EDUCATION

Guru Nanak Institute of Technology
♦ Bachelor of Technology in CSE; CGPA: **7.81/10**
Jawaharlal Nehru Jr College
India
♦ Intermediate (Science); Percentage - **73%**

Nagpur, Maharashtra, India
(**Aug 20 - July 24**)
Nagpur, Maharashtra,
(**May 18 - July 20**)

WORK EXPERIENCE

iNeuron.ai

Machine Learning Intern

Remote (India)
(**March'23 - April'23**)

- Conducted rigorous testing and validation and developed a premium prediction model, achieving a validation accuracy of **89%**.
- Innovatively **fine-tuned** the predictive model utilizing advanced **grid search** and **cross-validation** methodologies, boosting its overall performance and significantly minimizing the occurrence of false positives.
- Achieved a **30%** reduction in data preprocessing time through cleaning and feature engineering.

Brillect Tech Solution Pvt.

Python Trainee

Nagpur (India)
(**April'22 - May'22**)

- Continuously learning advanced Python topics: **Multithreading**, **Data visualization**, and **Machine learning** with **Matplotlib** and **Scikit-learn**.
- Demonstrated proficiency in Python programming, including **Data structures**, **Control flow**, and **OOP**, showcased through projects and coursework.
- Applied advanced Python techniques in practical projects, optimizing processes and enhancing project efficiency.

PROJECTS

NLP-Driven Resume Processing & Job System

(**Sept'23 - Nov'23**)

- Resume Processing: Spearheaded **SpaCy's NER** and syntactic analysis for accurate resume processing.
- Sentiment Analysis: Implemented **SVM** for nuanced emotional cues in resumes, showcasing advanced **machine learning** techniques.
- Optimized PDF Extraction: Engineered a **SpaCy-based pipeline** for highly efficient PDF information extraction, enhancing user experience.
- Job Recommendation: Pioneered a job **recommendation system**, showcasing expertise in **NLP** and recruitment strategy alignment.

Hygiefy - Transforming Mental Health Support with AI

(**March'23 - Oct'23**)

- Sentiment Analysis: Enhanced empathy through **Logistic Regression** Algorithm with an accuracy of **96%**.
- Mood Tracking with Integrated Chat: Engineered a user-friendly system using **statistical modeling** and **PaLM API** to provide relevant and friendly solutions for users sharing their thoughts on mental health.
- Statistical Assessment System: Identifies issues and **trends**, providing tailored solutions by endorsing **Activities** and **Diets**.
- Empowering Conversations: Utilized **NLP** for effective, friendly support.

Precision-Boosted Insurance Premium Predictions

(**Feb'23 - April'23**)

- Performance Improvement: Achieved a **20% increase** in prediction accuracy, reaching **90%**.
- Risk Management Impact: **Reduced** underwriting risk by **15%**, leading to a **12%** boost in **profitability**.
- Operational Efficiency: Automated premium calculations for **15,000+ policies**, reducing manual effort by **45%**.
- Model Optimization: Employed advanced techniques, including **grid search** and cross-validation, resulting in a **25% reduction**.

SKILLS

Data Science / Machine Learning / Deep Learning: Hypothesis Testing, Model Development and Deployment, Tableau, Scenario Analysis, NLP, Neural Network, Predictive Modeling, Regression, Classification, Statistical Modeling, OOPs, Data Analysis, etc.
Applied Mathematics: Linear Algebra, Probability, Statistics, Calculus, Matrices.
Packages and Frameworks: Scikit-Learn, TensorFlow, Beautiful Soup, Spacy, GIT, Rest/Fast APIs, NumPy, Pandas, Hugging Face, Keras, Generative AI, CV2, Convolutional Model, etc.
Programming languages: Python, HTML, Java, SQL, MySQL, etc.
Cloud-Based Deployment and Containers: AWS, S3, EC2, ECR, SageMaker, Git Actions (CI/CD), Circleci etc.

SOFT SKILLS

Analytical Thinking
Research Excellence

Diversity Embracement
Interest and Passion

Communication Skills
Collaborative

Problem Solving
Time Management

ACHIEVEMENT

- Selected for **LOréal BOOST** on Coursera, featuring Columbia and IESE content.
- Recipient of the **DXC Progressing Minds Scholarship** 2020 21, triumphing over **963** competitors.