

JAY TELGOTE

LinkedIn: [linkedin.com/in/ijaytelgote](https://www.linkedin.com/in/ijaytelgote) ♦ Email: ijaytelgote@gmail.com ♦ Phone: 9067830987

WORK EXPERIENCE

Machine Learning Intern

NewCreaX

(March 2024 - May 2024) | Nagpur, MH

- Utilizing machine learning algorithms to predict **NPC** (Non-Player Character) behavior, **enhancing** in-game interactions and fostering immersive **gameplay** experiences.
- Employing predictive analytics to forecast player churn, enabling proactive engagement and **targeted retention** strategies, consequently elevating player engagement and **maximizing revenue**.
- Conducting player segmentation analysis for personalized **marketing campaigns**, driving user satisfaction & retention.

AI Intern

WalkingTree Technologies

(January 2024 - March 2024) | Remote (India)

- Spearheaded the implementation and optimization of depth models, including **MIDAS**, **Depth Anything models**, and **Monocular Depth** models, elevating drone accuracy for **image processing** tasks.
- Analyzed depth-infused images alongside ground truth data to **improve drone precision**, driving the advancement of spatial understanding algorithms and object detection capabilities.

Machine Learning Intern

iNeuron.ai

(September 2023 - November 2023) | Remote (India)

- Achieved an outstanding **89% validation accuracy** through meticulous testing and validation of a **premium prediction model**.
- Utilized advanced **grid search** and **cross-validation** methods to refine the predictive model, significantly **reducing false positives** and improving overall performance efficiency and productivity gains

PROJECTS

Customer Relationship Management App with Business Intelligence

(January 2024 - March 2024)

- Optimized **CRM** systems by integrating Salesforce as a database and developing an **analytics framework** using ML algorithms, leading to improved customer segmentation and tailored marketing efforts.
- Managed backend operations of applications using Python, including working with **CI/CD pipelines** and developing **FastAPIs** and **Dash apps**, ensuring project success through effective **collaboration** with cross-functional teams.

Resume Parsing and ATS Scoring software

(September 2023 - November 2023)

- Showcased proficiency in **NLP** by leading the implementation of accurate resume processing using **SpaCy's NER** and **syntactic analysis**.
- Optimized information retrieval in resumes by implementing SVM for sentiment analysis and improving PDF extraction, supporting efficient recruitment strategies. Extended the functionality with LLM (Gemini, Groq).

Automatic License Number Plate Recognition using Deep Learning

(January 2023 - March 2023)

- Engineered a scalable **pipeline** for license plate recognition, including **data acquisition** and model training, achieving **high accuracy** across diverse conditions.
- Conducted model fine-tuning & evaluation for **optimal performance** in identifying license plates for security & traffic monitoring.

EDUCATION

Guru Nanak Institute of Technology | **Bachelor of Technology (CSE)** | Nagpur, Maharashtra | (August 2020 - June 2024)
Jawaharlal Nehru Jr College | **Intermediate (Science)** | Nagpur, Maharashtra | (May 2018 - July 2020)

TECHNICAL SKILLS

Data Science / Machine Learning / Deep Learning: Model Building & Evaluation, Data Pipeline, Data Manipulation, Statistical Analysis, Predictive Modeling, Dimensionality Reduction, Hypothesis Testing etc.

Applied Mathematics: Linear Algebra, Probability, Statistical Testing, Matrices, etc.

Packages and Frameworks: Scikit-Learn, TensorFlow, Matplotlib, Seaborn, Dash, Restful APIs, NLP, StatsModels, etc.

Programming languages: Python, Markup language (HTML), Query Language (SQL, MySQL), etc.

Cloud-Based Deployment and Containers: AWS (Amazon Web Services), S3, Git Actions (CI-CD), Railway, etc.

SOFT SKILLS

Continuous Learning
Analytical Thinking

Communication Skill
Client Management

Problem-Solving
Collaborative Team Player

ACHIEVEMENTS

- Selected for **L'Oréal BOOST** on Coursera, gaining access to exclusive content from Columbia and IESE.
- Recipient of the **DXC Progressing Minds Scholarship** 2020-21, triumphing over **963** competitors.
- Worked with **International Clients on Upwork** as a freelancer.
- Published Research Papers on **CRM and Business Intelligence App**.