

# ARYAN WARJURKAR

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## EDUCATION

### RASHTRASANT TUKDOJI MAHARAJ NAGPUR UNIVERSITY

June 2021-May 2025

Bachelor of Technology

Major in Computer Science and Engineering

Cumulative GPA: 7.05/10.0

Relevant Coursework: Artificial Intelligence, Machine Learning, Deep Learning, Software Engineering, Operating Systems

## WORK EXPERIENCE

### COGNIFYZ TECHNOLOGY

Dec 2024 - Jan 2025

Data Analyst Intern

- Assisted in collecting, cleaning, and analyzing large datasets to ensure data accuracy and integrity.
- Conducted exploratory data analysis using Python to uncover trends and insights supporting business decisions.
- Collaborated with cross-functional teams to translate business requirements into actionable insights and automated data reporting processes.
- Provided data-driven recommendations contributing to optimizing business strategies using statistical methods and predictive modeling techniques.

## RELEVANT PROJECTS

### END-TO-END MEDICAL CHATBOT USING LLAMA2

- Engineered an intelligent medical chatbot using Meta's LLaMA2 which provided conversational assistance for common health inquiries, achieving a 95% accuracy rate in simulated patient interactions.
- Deployed the chatbot using Streamlit and local LLM server, depending on performance needs.
- Applied token optimization, prompt engineering, and model fine-tuning to enhance accuracy and speed.

### FOREST FIRE DETECTION USING CNN

- Developed an AI-driven forest fire detection system leveraging Convolutional Neural Networks to identify fire patterns from various images.
- Trained and tested the CNN model on large datasets for high accuracy, achieving rapid detection and reduced false positives.
- Implemented data preprocessing and model Optimization techniques to enhance prediction reliability.

### BRAIN TUMOR DETECTION USING CNN

- Developed a deep learning model using Convolutional Neural Networks (CNN) to detect and classify brain tumors from MRI scans.
- Enhanced model performance through data augmentation and fine-tuning.
- Demonstrated strong skills in medical imaging analysis and applied AI for real-world healthcare applications.

## ACTIVITIES

### PICSEL COMMITTEE

Head of Event

- Led planning and execution of technical and cultural events, managing logistics, budgeting, and team coordination.
- Collaborated with cross-functional teams to boost student engagement and successfully organized multiple high-impact campus events.
- Spearheaded event promotion strategies, increasing participation by over 30% through innovative outreach and social media campaigns.

## ADDITIONAL

**Programming Skills:** Python, SQL

**Libraries/Frameworks:** PyTorch, TensorFlow, Keras, Scikit-learn, Numpy, Pandas, Matplotlib, Seaborn

**Technologies:** Generative AI, NLP, AI/ML & Deep Learning

**Cloud Platform:** AWS, GCP, Azure

**Software Tools:** Visual Studio Code, Git & GitHub, Jupyter Notebook, Google Colab, Hugging Face

**Soft Skills:** Problem-Solving, Teamwork, Leadership

**Languages:** English, Hindi, Marathi

**Certifications:** IBM Certified Generative AI Engineer, AWS Certified Cloud Practitioner Essential