

ARUN BIRADAR

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Education

BMSIT& M Yegalanka

Bachelor of Engineering in Computer Science

Sep. 2024 – May 2027

Bangalore, Karnataka

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Database Management
- Computer Science
- Artificial Intelligence & Machine Learning

Experience

IVIS Labs Pvt. Ltd

Jan 2024 – April 2024

Artificial Intelligence and Machine Learning Intern

Mysore, Karnataka

- Worked on real-world AI/ML projects involving data preprocessing, model training, evaluation, and deployment.
- Gained hands-on experience with machine learning algorithms, neural networks, and Python-based ML frameworks such as TensorFlow and Scikit-learn.
- Gained hands-on experience with machine learning algorithms, neural networks, and Python-based ML frameworks such as TensorFlow and Scikit-learn.
- Enhanced skills in data analysis, model optimization, and performance tuning.

Projects

Akshara Light Of Education | HTML, CSS, JavaScript, Bootstrap, Github pages

January 2025

- Designed and developed an educational website to provide foundational grammar and math learning in English, Hindi, and Kannada.
- Organized content into modular sections such as English Grammar, Kannada Jnanpith Award Winners, and Math Formulas Tourist Places in Karnataka.
- Implemented a responsive UI using Bootstrap and JavaScript to enhance usability across mobile and desktop devices.
- Deployed the platform using GitHub Pages to ensure free, stable, and fast hosting for global accessibility.

AI-Based Aircraft Recognition System (Deep Learning) | Python, TensorFlow, OpenCV

October 2025

- Built a YOLO-based real-time aircraft detection system capable of identifying fighter jets, commercial aircraft, helicopters, and drones.
- Collected, labelled, and preprocessed datasets using Roboflow, applying augmentation and class balancing for improved accuracy.
- Developed a web UI (Flask/Streamlit) enabling users to upload images/videos or use live camera detection with optimized model performance.

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL

AI/ML: TensorFlow, Scikit-learn, OpenCV, YOLOv8, CNNs

Data & Libraries: NumPy, Pandas, Matplotlib, Data Preprocessing, Roboflow

Developer Tools: VS Code, Eclipse, Git, GitHub

Operating Systems: Linux, Windows
