

UBAITH SHERIF

Coimbatore, Tamil Nadu

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PROFESSIONAL SUMMARY

Software Developer with a strong foundation in programming, database management, and application development. Experienced in designing and implementing backend logic, integrating databases, and building modular application components.

EDUCATION

United Institute of Technology | 2022-2026

B.Tech. – Artificial Intelligence and Data Science - CGPA -7.8

INTERNSHIP

Artificial Intelligence Intern

Web Epic Technologies Private Limited, Coimbatore

June 2025 – July 2025

- Completed a 30-day internship focused on Artificial Intelligence and its real-world applications.
- Gained hands-on experience in AI concepts, model building, and application development.
- Improved understanding of AI tools and techniques used in modern tech environments.

AICTE – Shell & Edunet Foundation Green Skills AI Internship

Oct 2025 – Nov 2025

- Selected for a prestigious national-level 4-week internship focusing on Green Skills using AI technologies.
- Underwent mentorship from industry experts on data preprocessing, modeling, evaluation, and prototype development.
- Completed weekly milestones, attended knowledge-sharing sessions, and built an independent AI project.
- Gained hands-on experience in model optimization, real-world problem-solving, and project presentation before industry experts.

PROJECT EXPERIENCE

AI-Powered Blood Donation & Emergency Help System | Jan 2025

Technologies: React Native, JavaScript, AI Algorithms

- Developed a mobile and web application to streamline blood donation and emergency services using AI-powered features.
- Engineered smart systems for donor-recipient matching, blood stock prediction, fraud detection, and emergency prioritization.
- Designed intuitive front-end interfaces and integrated real-time notifications, location-based search, and secure OTP verification.

American Sign Language (ASL) Recognition using Deep Learning | Personal Project – June 2025 to July 2025

Technologies: Python, TensorFlow, Keras, OpenCV

- Designed and trained a Convolutional Neural Network (CNN) to classify ASL gestures across 24 classes.
- Applied computer vision preprocessing (resizing, normalization, data augmentation) to improve model generalization.
- Integrated with OpenCV for real-time ASL recognition, enabling interactive gesture-to-text conversion.
- Explored AI-driven accessibility solutions, supporting communication for speech & hearing-impaired communities.

Microplastic Pollution Detection using Deep Learning (2025) | Oct 2025

Technologies: Python, TensorFlow, Image Classification, CNN, OpenCV

- Developed an AI-based system to detect and classify microplastics from environmental images.
- Built a CNN model capable of identifying microplastic particles with image preprocessing such as thresholding, morphological operations, and segmentation.
- Trained and validated the model using custom datasets to improve detection accuracy.
- Implemented visualization for model predictions and built a pipeline for automated microplastic analysis.

SKILLS & TECHNOLOGIES

- **Artificial Intelligence & Machine Learning:** Predictive Modeling, Sentiment Analysis, NLP, Neural Networks (Basics), Model Training & Evaluation
- **Deep Learning & NLP Frameworks:** Scikit-learn, Hugging Face Transformers (RoBERTa), TensorFlow (Basics)
- **Programming Languages:** Python, JavaScript (React Native Integration)
- **Data Analytics & Visualization:** Data Cleaning, EDA, Statistical Analysis, Power BI
- **Databases & Tools:** MongoDB, SQL

SOFT SKILLS

- Problem-Solving & Critical Thinking
- Team Collaboration
- Attention to Detail
- Adaptability & Continuous Learning

CERTIFICATIONS

- IBM SkillsBuild Data Analytics Certificate | IBM SkillsBuild
- Build a website using wordpress | Coursera
- Data Science Foundation | Great Learning
- Data Science Job Simulation | Jun 2025

LANGUAGES

- Tamil
- English
- Malayalam

AREA OF INTEREST

- AI & ML Engineer
- Software developer & Tester
- Full stack Developer