SAKSHI SANJAY KHADE

Tel: +1 480-919-5150 |**Email:skhade5@asu.edu |LinkedIn: SAKSHI-KHADE**

EDUCATION

Master of Science in Robotics and Autonomous Systems (Artificial Intelligence) **May, 26**
Arizona State University, United States 3.72 GPA
- Relevant Coursework: Machine Learning Acceleration, Artificial Intelligence, Real-Time Embedded Systems.

Bachelor of Engineering in Information Technology **June,24**
Terna Engineering College, India 3.32 GPA
- Relevant Coursework: Artificial Intelligence and Data Science, Internet of Things, AR-VR, Big Data Analytics.

SKILLS AND CERTIFICATES

- **Programming Language:** C, C++, Python, R, SQL, React JS, Node JS, JavaScript, Lingua Franca.
- **Tools :** Firebase, Git, Power BI, Tableau, AWS.
- **Certifications:** MATLAB Programming Technique, Data Processing & Visualization.
- **System/Applications:** Microsoft Office Suite(Advanced), Salesforce, Power Query(basics), Google Workspace, Zoom, Figma, Adobe.

EXPERIENCE

Project Management Intern **Mar 24 – Aug24**
SRRS Software Solution Pvt. Ltd., India
- Assisted in planning and executing ERP implementation projects tailored to client workflows, ensuring on-time delivery of key milestones.
- Coordinated daily task tracking and sprint planning using tools like Excel and Trello, improving team efficiency across 3+ active projects.
- Maintained project documentation and reports, supporting seamless communication between developers, clients, and leadership.
- Collaborated with cross-functional teams to track bugs, prioritize features, and streamline communication across technical and non-technical stakeholders.

Front-end Development Intern **Oct 23- Feb24**
The Language Network, India
- Developed responsive and user-friendly web interfaces using HTML, CSS, JavaScript, and Bootstrap, enhancing website functionality and design.
- Optimized frontend workflows by integrating Git for version control, reducing load times and streamlining the development cycle to support rapid prototyping and deployment.
- Collaborated with team members to troubleshoot and resolve UI/UX issues, ensuring optimal functionality across devices.

ACADEMIC PROJECTS

Traffic Data Pipeline for Real-Time Monitoring and Prediction **Present**
- Building a real-time data pipeline using Python, Spark, and MySQL to process and analyze urban traffic patterns.
- Designing a Power BI dashboard and implemented ML models to forecast traffic volume with 88% accuracy.
- Optimizing data flow to handle 20K+ records/day, reducing latency and improving throughput for live monitoring.

Emotion Classification – Distinguishing Excitement and Fear from Physiological Data **May25**
- Developed ML and deep learning models (CNNs, LSTMs) to analyze heart rate and SPO2 data, accurately distinguishing between excitement and fear in real-time.
- Applied signal processing techniques for feature extraction and data preprocessing, improving model efficiency and classification accuracy.
- Validated models using real-world datasets and optimized detection algorithms for practical deployment in wearable emotion recognition systems.

Twitter Sentiment Analysis for Brand Monitoring **Dec24**
- Developed ML models with 93% accuracy to classify sentiment from live Twitter data using NLP and deep learning techniques.
- Applied tokenization, sentiment lexicons, LSTMs, and transformers to enhance real-time sentiment prediction.
- Enabled analysis of 50K+ tweets per day, generating actionable brand insights for marketing strategy.

CROPIFY – An AI based Crop yield prediction for precision agriculture (Published) **May 24**
- Built an AI-powered crop recommendation system using Random Forest, achieving 95% accuracy in crop and 92% in fertilizer predictions.
- Integrated image analysis for real-time disease detection and treatment guidance, enhancing on-field decision-making.
- Improved agricultural sustainability by optimizing inputs (soil, climate, nutrients), reducing fertilizer overuse, and boosting overall farmer productivity.