

# Tohidealam Nadaf

AI/ML Engineer | Full Stack Developer

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## Summary

Passionate AI/ML Engineer and Full Stack Developer with hands-on experience in building intelligent systems and scalable web applications. Proficient in Python, TensorFlow, React.js, Node.js, and PostgreSQL. Strong foundation in machine learning, data pipelines, and RESTful API development. Committed to continuous learning and delivering impactful solutions.

## Work Experience

### Data Science and Machine Learning Intern | Techno+Logic Group

Jul 2022 – Aug 2022, Ichalkaranji, India

- Designed and implemented ML models for object motion detection using Python and TensorFlow.
- Performed data preprocessing and applied supervised ML algorithms on real-world datasets.
- Gained practical understanding of the ML development lifecycle and team collaboration.

## Education

### Bachelors in CSE (AIML) | D.Y. Patil Agriculture and Technical University

Aug 2023 – Jun 2026, Talsande, India

Pursuing the Bachelor's Degree in Artificial Intelligence and Machine Learning

### Diploma in Computer Engineering | Sharad Institute of Technology and Polytechnic

Aug 2020 – Jun 2023, Yadrav, India

Earned Diploma in Computer Engineering

## Skills

- Languages:** Python, C++, JavaScript, HTML5, CSS3, TypeScript
- Frameworks & Libraries:** React.js, Node.js, Pandas, NumPy, TensorFlow
- Databases & Version Control:** MySQL, PostgreSQL, Git
- Tools and Platforms:** Power BI, Visual Studio, Jupyter Notebook
- Technologies & Protocols:** REST APIs, WebSockets

## Projects

### EchoClean – Real-Time AI Deepfake Voice Detection System | AI/ML Developer

Jan 2025 – Apr 2025

- Built a real-time deepfake voice detection app with 90%+ accuracy using custom audio embeddings and Flask.
- Developed a full-stack voice analysis tool with live recording, multi-format support, and local processing.
- Designed scalable, secure REST APIs and adaptive fast-mode audio processing.

### SkillSwap: Barter Based Learning Platform | Full Stack Developer

Aug 2024 – Nov 2024

- Developed full-stack web application using React.js, Node.js, PostgreSQL.
- Enabled peer skill barter system with dynamic profiles and real-time messaging via WebSockets.
- Focused on modular REST API design, authentication, and frontend responsiveness.

## Publications

### AI-Powered Content Moderation | MAT Journals | Mar 2025

[Read Publication](#)

- Co-authored a research paper exploring NLP-driven content moderation techniques using deep learning.
- Focused on bias mitigation, explainability, and human-in-the-loop AI moderation frameworks.