

# Ayushi Mahato

Full Stack Developer

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## PROFESSIONAL SUMMARY

Detail-oriented Full Stack Developer with hands-on experience in Angular, React, and FastAPI, specializing in building scalable, secure, and responsive web applications. Demonstrated success in integrating GenAI powered solutions and optimizing API workflows to enhance efficiency. Collaborative team player with strong problem-solving and time management skills, eager to contribute to innovative, growth-focused organizations.

## TECHNICAL SKILLS

**Programming Languages:** Python, JavaScript, HTML5, CSS3

**Frontend Technologies:** React.js, Angular, Redux, Tailwind CSS

**Backend Technologies:** Node.js, FastAPI, RESTful APIs

**Databases:** MySQL, MongoDB

**Tools & Technologies:** Git, Version Control, Firebase Authentication, PyQt5, NumPy, Pandas

## PROFESSIONAL EXPERIENCE

### Software Developer Intern

February 2025 - August 2025

Rockwell Automation / Knowledge Lens

- Built the React version of the GenAI application completely from scratch, including component structure, UI flow, API integration, and state handling
- Proposed and implemented Redux to manage complex application state, improve data consistency, and reduce re-renders, which helped scale the project smoothly
- Coordinated closely with backend teams to integrate GenAI APIs, test responses, handle errors, and ensure stable functionality in production-ready modules
- Simultaneously contributed to the Angular version of the same product while owning the React build, adding new features, fixing issues, and improving UI/UX
- Maintained both codebases by handling feature updates, debugging, performance optimization, and aligning design across React and Angular systems
- Contributed to the full software development lifecycle, from requirements gathering to deployment

## PROJECTS

### Raga-Ret: Tabla Stroke Analysis System

*Technologies: Python, PyQt5, NumPy, Pandas, MIDI Libraries*

- Designed a deep learning-based model for classifying tabla strokes with real-time analysis
- Automated rhythmic pattern conversion to digital notation, increasing accuracy by 30%
- Developed a PyQt5-based visualization interface for interactive audio insights

### Authenticator System

*Technologies: Tailwind CSS, Firebase Authentication*

- Built a secure login/signup portal with Firebase Authentication and custom validation rules
- Enhanced user security through password encryption and rule-based access control
- Improved UX with responsive Tailwind UI, achieving 100% Lighthouse accessibility score

## Interactive Recipe Book

*Technologies: React, CSS, Local Storage*

- Developed a client-side recipe management system supporting offline access and search filters
- Utilized React hooks and local storage for persistent data management
- Optimized UX using transitions and animations to increase engagement

## EDUCATION

### Bachelor of Technology (B.Tech) - Computer Science

December 2021 - April 2025

NIST University | Berhampur, Odisha

### Intermediate (Science)

2021

St. Agnes PU College | Mangalore, Karnataka

### Matriculation

2019

The Vizag International School | Vizianagaram, Andhra Pradesh

## CERTIFICATIONS

- Full Stack Development - CodeTantra (2024)
- AI & ML Workshop - RemarkSkill (2023)
- AWS Cloud with AI - RemarkSkill (2023)
- Advanced Data Structures & C Programming - NIST University (2022)

## LEADERSHIP & ACTIVITIES

### President - Club Eureka

April 2024 - 2025

NIST University

- Directed a 60-member team managing major campus events, increasing participation by 30%
- Streamlined event planning, logistics, and sponsorship acquisition under tight timelines

### Head Girl

March 2018 - February 2019

The Vizag International School

- Led student council operations and assemblies, improving peer engagement and discipline

## LANGUAGES

English (Fluent), Hindi (Fluent), Bengali (Fluent)