

ASHIK GOWDA K

Associate Software Engineer

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EXPERIENCE

SKYLLX Technologies Pvt Ltd — BENGALURU

Software Developer Intern

Jan 2026 – June 2026

Associate Software Engineer

June 2026 – Present

- Owned the Fee Management module on a live, multi-school ERP platform end-to-end — built the Next.js 14 dashboards, validated payment forms, and admin reporting views during internship, then continued extending and maintaining it in production as a full-time engineer.
- Integrated frontend with a Spring Boot REST API and MySQL backend via Axios for fee records, payment tracking, and student data, working directly with backend engineers on API contracts.
- Diagnosed and resolved production bugs surfaced by QA and end users on a live system with active users, and supported testing and deployment for production releases.
- Extended admin and student-facing UI modules on the production codebase while maintaining backward compatibility with existing mobile applications.

PROJECTS

Deep Fake Face Recognition System — CNN + ELA Detection Pipeline

- Engineered an image deepfake detection pipeline using ELA preprocessing (JPEG quality 90) and a CNN with 110K+ trainable parameters at 128×128 resolution for binary real/fake classification.
- Extended detection to video using a CNN-LSTM architecture with 126K+ trainable parameters and a 128-unit LSTM, processing 20 uniformly sampled frames per video for temporal classification.
- Built a Flask REST inference backend with 3 endpoints and global model caching, integrating image/video analysis with a React frontend for end-to-end deepfake detection.

Quick Bite | React 19, Redux Toolkit, React Router, Parcel, Tailwind CSS

- Engineered a food ordering Single Page Application (SPA) using React 19, React Router DOM 6, Parcel 2, and Tailwind CSS v3, integrating live food delivery REST APIs for dynamic restaurant discovery and menu browsing.
- Implemented global state management using Redux Toolkit, building a dedicated cartSlice with addItem, removeItem, and clearCart actions and dynamic price calculations.
- Applied advanced React patterns including a Higher-Order Component (withNearestLabel), 2 custom React hooks (useRestaurantMenu, useOnlineStatus), and controlled accordion state management.
- Optimized frontend performance using React.lazy() + Suspense for component-level code splitting and implemented a 12-card animated skeleton loading screen using Tailwind CSS animate-pulse.

TECHNICAL SKILLS

Languages: Java, JavaScript, HTML, CSS, SQL

Frontend: React.js, Next.js, Redux Toolkit, Tailwind CSS, Bootstrap

Backend: REST APIs, Node.js, Express.js, Spring Boot

Artificial and Intelligence, Machine Learning

Databases: MySQL, MongoDB

Tools: Git, GitHub, Postman

CS Fundamentals: Data Structures & Algorithms, Object-Oriented Programming

EDUCATION

BANGALORE INSTITUTE OF TECHNOLOGY

B.E., Robotics & Artificial Intelligence - CGPA: 8.8

2022 – 2026

Time PU College — Class XII

2020 – 2022