

# Princi Jain

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## Education

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**Keshav Memorial Institute of Technology**, B.Tech in Computer Science Engineering  
CGPA: 8.4/10.0

Nov 2022 – May 2026

## Experience

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### Software Engineer Intern | Zero Moblt

Feb 2026 - Present

- Created the system architecture and developed the Zero Moblt website from the ground up using TypeScript, Next.js, and Tailwind CSS.

### Software Engineer Intern | Eventbrite

July 2025 - Dec 2025

- Migrated internal Retool(LCNC) configurations from deprecated YAML to ToolScript, improving system security, readability, and maintainability with zero client impact
- Improved backend access control for a Retool LCNC application by updating AWS Lambda authorization logic behind API Gateway — restoring 100% user access.
- Designed an end-to-end automation strategy for service-level AWS Budget Alarms in TLZ, including spend analysis, IAM policies, CDK deployment patterns — enabling proactive cost governance.
- Upgraded AWS Lambda runtimes (Python & Node.js) and patched 25+ vulnerable dependencies using Snyk, hardening production security posture.
- Boosted code quality to 80% by enforcing PR linting gates (Pylint, ESLint/Prettier), standardized PR templates, and mandatory JIRA ticket linkage for deployment traceability.
- Converted manually created CloudWatch dashboards into AWS CDK infrastructure-as-code, improving deployment speed, consistency, and scalability for observability.

### Full Stack Developer Intern | Teleparadigm Networks Ltd

April 2024 - August 2024

- Designed and built an interactive memory game for children with dyslexia using a drag-and-drop interface.
- Developed frontend with the React.js and Tailwind CSS for responsive, accessible UI. And built backend APIs for sessions, game logic, and results with secure, efficient database access.

## Projects

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### Aqua Sentinel

2024

- Engineered a dual deep learning pipeline (YOLOv11/Faster R-CNN) to integrate SAR and optical satellite imagery for accurate vessel and marine debris detection. Designed and validated a spatial-temporal correlation algorithm to link detected ships to newly formed debris zones, generating reliable proximity-based pollution alerts. Deployed a secure full-stack visualization platform (React.js/Flask) for interactive map analysis, and established an automated alerting pipeline for regulatory reporting.

### Personal Finance App

2023

- Developed and fine-tuned ViT for crop classification, UNETR for flood detection in SAR, and Pix2Pix GAN for SAR colorization (all >92% accuracy), improving agricultural decisions, disaster response, and image interpretability; implemented with FastAPI, Flutter, Ngrok, Firebase, and Python ML libraries.

## Technical Skills

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- Programming & Database:** Java, Python, TypeScript, C/C++ , MySQL, MongoDB
- Backend & Frontend Development:** Node, React, Express, Next, Flutter, Flask
- Cloud & DevOps:** Git/GitHub, Docker, AWS, CI/CD(Basics)
- Concepts:** OOP, DSA (510+ LeetCode), System Design, Machine Learning

## Achievements

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- 1st Runner-Up**, Sri City Hackathon 2023: Built StudyR, a group study app with dynamic matching; led backend.
- Google Facilitator Program (Milestone 3):** Earned 30+ skill badges demonstrating practical cloud knowledge.
- Core Member**, Recurse Club: Co-led Codenovate 2024, organizing a 24-hour hackathon.
- Basketball Representative**, XXVI AP & Telangana Regional ICSE/ISC Schools (2017–2019): Played nationally, showing leadership and team commitment.