

# Deepanshu Methi

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## INTRODUCTION

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Innovative and results-driven **Full-Stack Developer** with over **2 years of professional experience** in architecting and delivering high-performance, cross-platform applications. Proficient in **Java, JavaScript, React.js, Node.js, Express.js**, and cloud technologies including **AWS**. Proven track record in building scalable **IoT**, real-time surveillance, and mobile solutions, leveraging containerization, cloud-native architectures, and secure data workflows. Experienced in integrating hardware IoT devices, implementing role-based access control, and optimizing application performance. Adept at end-to-end project execution, from requirements gathering to deployment, delivering measurable improvements in user engagement and operational efficiency. Recognized as a **Smart India Hackathon** finalist and winner of **multiple hackathons**, with certifications in **Node.js, React.js**, and **full-stack JavaScript development**.

## TECHNICAL SKILLS

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**Programming Languages:** Java, Python, JavaScript, Bash, PL/SQL

**Frontend:** HTML5, CSS3, JavaScript, React Native, React.js, Bootstrap, Tailwind, React.js

**Backend:** Node.js, Express.js

**Database:** MySQL, MongoDB, SQL, Postgres, Firebase

**Tools:** Git, GitHub, VS Code, Postman, NPM, Chrome, DevTools, Docker, OAuth2, Rest APIs

**Cloud:** AWS Services (EC2, S3, VPC)

**Libraries:** Axios, Material UI, Tailwind CSS, Bootstrap, Redux, Lodash

**Core Subjects:** DSA, OOP'S, Operating Systems, Computer Networks, DBMS

## WORK EXPERIENCE

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### GA Application

Haryana

Cross-Platform Developer

April 2025 - Present

- Designed and launched **Spy Tower**, a cutting-edge real-time surveillance solution leveraging **Node.js, MongoDB, Express, Docker, WebSockets, WebRTC, and HLS streaming**, capable of handling **1,500+ concurrent video streams** with latency consistently below **150ms** via advanced event broadcasting, adaptive bitrate algorithms, and socket load balancing.
- Devised and enforced **role-based access control (RBAC)**, deployed end-to-end encryption protocols, and secured media storage infrastructure; scripted an automated **Bash deployment process** to streamline installation, configuration, and updates, integrating **Tailscale VPN tunnels** for encrypted remote management and orchestration.
- Led integration efforts with **Raspberry Pi-enabled IoT devices** for distributed camera and sensor ecosystems; implemented scalable cloud archival solutions utilizing **Wasabi** and complementary platforms, reducing incident response time by **40%** through efficient retrieval and management.

### 4CPlus

Ghaziabad

App Developer

September 2023 - April 2025

- Developed high-performance cross-platform mobile applications for Android and iOS using **Java, React Native**, and integrated cloud services, achieving a **55% increase** in user engagement and **30% enhancement** in app responsiveness.
- Architected backend microservices and implemented automated CI/CD workflows utilizing **Docker, Firebase**, and **GitHub Actions**, significantly accelerating development velocity and deployment reliability.
- Optimized application scalability and resilience by leveraging **cloud-native architectures**, ensuring robust performance across multiple platforms and variable user loads.

## PROJECTS

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### Attendance Machine App **GA Applications**

Tech Stack: JavaScript, React Native, Node.js, MongoDB, Docker, MQTT, IoT

Apr 2025 - Present

- Developed** an end-to-end Attendance Machine solution processing dual-channel hardware inputs from on-premises IoT terminals, ensuring rigorous edge data validation and normalization for accuracy.
- Orchestrated** automated scheduling and retry mechanisms for data synchronization and reconciliation, enhancing system robustness against intermittent network disruptions.

- **Architected** offline data buffering utilizing MQTT ingestion and reliable transactional handoffs; containerized backend deployment via Docker ensuring uniform environment consistency across edge and cloud platforms.
- **Delivered** a comprehensive admin dashboard coupled with RESTful APIs featuring real-time monitoring, audit logs, CSV export functionality, payroll integration, RBAC enforcement, and detailed compliance audit trails.

## Ad Booking App 4Cplus

Tech Stack: React Native, Firebase

Jan 2025 – Apr 2025

- **Spearheaded** the creation of a cross-platform ad booking application incorporating dynamic pricing models, streamlining newspaper advertisement reservations through an intuitive interface.
- **Integrated** real-time price adjustments powered by Firebase, enabling instantaneous updates based on user parameters such as ad size and geographic location.
- **Executed** end-to-end project management autonomously, driving a **40% uplift** in user engagement by refining workflows and enhancing usability.

## EDUCATION

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NIET

Bachelor of Technology - Computer Science

Greater Noida

OCT 2020 - MAY 2024

## ACHIEVEMENTS AND CERTIFICATIONS

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- Finalist Smart India Hackathon. SIH
- 4 Hackathons Winner.
- Solved **300+ DSA Questions** on platforms like [LeetCode](#), [GfG](#), and [Codechef](#).
- Achieved **Node.js & React.js** certification from Coursera, demonstrating expertise in full-stack JavaScript development.
- Achieved **React.js** certification Infosys
- Completed **Object-Oriented Programming in Java** Coursera
- Completed **Interfacing with Arduino** Coursera
- Mastered **Full-Stack Development with Node.js and React** Coursera
- Enhanced JavaScript proficiency with **JavaScript Fundamentals** Coursera
- **Comprehensive Web Development** Coursera