

ADITYA KUMAR SINGH

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SUMMARY

Aspiring Java Full Stack Developer with a B.Tech in IT and hands-on experience in Android Development. Delivered 30+ projects, including Android apps, with a focus on efficient, user-friendly solutions. Passionate about solving complex problems, collaborating in teams, and contributing to cutting-edge tech projects. Currently mastering Core Java, Servlets, JSP, JDBC, Hibernate, Spring and Oracle, MySql Database at JSPIDER Institute, ensuring a deep understanding of backend and database integration. Strong problem-solver with an eye for optimization and performance improvements, ensuring efficient applications. Thrives in fast-paced environments where innovation and problem-solving are key to driving impactful software solutions.

TECHNICAL SKILLS

- **Languages:** Java, JavaScript, SQL, C++
 - **Frontend:** HTML5, CSS3, JavaScript
 - **Backend:** Servlets, JDBC, Spring Framework, Hibernate
 - **Databases:** Oracle, MySql, Room Database
 - **Tools:** Git, Android Studio, Maven
 - **Soft Skills:** Effective Communication, Problem Solving, Team Collaboration, Time Management
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PROFESSIONAL EXPERIENCE

Java Full Stack Developer Trainee

JSPIDER Institute, Bengaluru | Dec 2024 - Present

- Gaining expertise in Core Java, JDBC, Servlets, JSP, Hibernate, Spring, and MySql Database through intensive training and real-time projects.
- Developing a RESTful e-commerce API with JWT authentication, improving backend security and efficiency.
- Engaging in peer code reviews to refine best coding practices and teamwork.
- Exploring design patterns and performance tuning techniques to write scalable and efficient code.

Android Developer

V.Vendi Global, Bengaluru | May 2024 - Oct 2024

- Sole Android developer in a team of mechanical engineers, independently leading an assistive app project for visually impaired users.
 - Integrated Google Maps API for voice-controlled navigation, enhancing accessibility for users with visual impairments.
 - Optimized Room Database to ensure offline-first capabilities and seamless data retrieval.
 - Improved object detection accuracy by 30% by implementing a YOLO model, significantly enhancing recognition capabilities.
 - Managed the complete lifecycle of the Android application, from design to deployment, ensuring quality and functionality.
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PROJECTS

1. **Student JDBC Management System** | Full Stack (Core Java, JDBC, MySQL)

- Built a CLI-based student management system implementing DAO design pattern for separation of concerns.
- Focused on JDBC connectivity, CRUD operations, exception handling, and modular code design.
- [GitHub Link](#)

2. **Zest App** | Android (Java)

- Independently created a video-sharing app with Jetpack Compose UI, supporting OAuth2 logins and high-quality video uploads.
- Optimized Oracle queries, reducing database latency by 25% and improving app responsiveness.
- Implemented an adaptive streaming feature, improving video playback experience for users with varying network speeds.
- [GitHub Link](#)

3. **IoT Device Management API** | Full Stack (Java, Python, Oracle)

- Designed a microservice-based API with JWT authentication for secure IoT device management.
- Reduced API latency by 35% using connection pooling and database indexing, significantly boosting efficiency.
- Implemented robust error handling and logging mechanisms to improve system reliability.
- [GitHub Link](#)

4. **Bhagavad Gita App** | *Android (Java, Room Database)*

- Developed an offline-first application storing 700+ Bhagavad Gita verses with multilingual audio support.
 - Designed an intuitive UI that allows users to bookmark verses and listen to audio recitations seamlessly.
 - Received positive feedback from beta users for usability and performance, achieving a high retention rate.
 - [GitHub Link](#)
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EDUCATION

B.Tech in Information Technology

KIIT University, Bhubaneswar | 2020 - 2024 | CGPA: 8.67

- Published research paper: "Explainable AI for Smart Healthcare" in IEEE (River Publishers).
 - Engaged in multiple research initiatives, focusing on AI applications in real-world problem-solving.
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CERTIFICATIONS

- 5-Star Coder in C++ (HackerRank)
 - Intermediate SQL Certification (HackerRank)
 - CodeStudio Level 7 (Ninja Coder)
 - Oracle Database Fundamentals Certification
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ACHIEVEMENTS

- Ranked in the top 10% of CodeStudio's competitive coding challenges.
 - Improved API response time by 35% in IoT Device Management API through efficient connection pooling.
 - Enhanced app performance by 40% via query optimization in Zest App and Profanity Detector.
 - Successfully mentored junior developers and peers, fostering a collaborative learning environment.
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HOBBIES

- **Chess:** Regularly participate in local tournaments, sharpening strategic thinking and problem-solving skills.
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