

**SUMMARY**

Motivated and creative Java backend Software Developer with nearly 2 years of experience, skilled in Java programming, Spring Boot, and Hibernate. Experienced in exploring Machine Learning and ASP.NET, with proficiency in data analysis, algorithm development, and web application creation. Holds a master's degree in computer science with comprehensive coursework in fundamental areas. Strong problem-solving, critical thinking, analytical, communication, interpersonal and risk management skills. Thrives in collaborative team environments, leveraging effective teamwork to drive success.

**PROFESSIONAL EXPERIENCE****Computer Lab Assistant | Fairleigh Dickinson University, Teaneck, New Jersey, United States | Aug. 2022 - May 2023**

- Designed and executed student and course microservices, establishing REST endpoints for simple CRUD operations. Implemented Hibernate Framework to optimize the persistence layer, reducing database query time by 20%.
- Leveraged Spring Framework's JDBC module for seamless data persistence, resulting in a 15% system performance enhancement.
- Conducted comprehensive Postman testing to ensure 95% success rate in validating REST API functionality and performance.

**Jr. Java Developer | Ample Infotech., Nadiad, Gujarat, India | Aug. 2020 – Jul. 2021**

- Implemented optimized and well-organized software functionality to gather customer data, resulting in a 30% reduction in data retrieval time.
- Developed and designed the Agent microservice and GUI screens, incorporating business logic, which generated a 20% spike in user satisfaction.
- Played a pivotal role in the end-to-end SDLC, leading the delivery of 10+ software deployments within tight timelines.
- Created detailed UML diagrams and data models, ensuring 100% adherence to normalization principles, and enhancing application.

**Intern – ML (Java) | Bhaskaracharya Institute for Space Applications and Geo-Informatics (BISAG), Gandhinagar, Gujarat, India | Dec. 2019 - May. 2020**

- Spearheaded the development of deep learning models to detect and track objects in real-time video footage; leveraged Java and TensorFlow frameworks to improve performance, resulting in a 40% reduction in false negative detection.
- Engineered a tracking algorithm using OpenCV, leading to a 25% reduction in tracking errors and applied contextual analysis techniques for a 20% increase in overall object identification accuracy in diverse environments.

**PROJECTS****Intelligent Music Recommendation System (Java)**

- Devised a Java-based intelligent music recommendation system employing collaborative filtering and content-based filtering algorithms for personalized music playlists.
- Deployed user registration, sub-second music search, real-time recommendation engine, and seamless playlist management, achieving an 85% accuracy in predicting user preferences and generating relevant recommendations.
- Integrated Spotify and Last.fm APIs to enrich the music database, optimizing system performance with a 40% reduction in recommendation generation time through parallel computing and distributed data processing techniques.

**File Encryption and Decryption (Java)**

- Engineered Java application for file encryption and decryption using AES and RSA algorithms; Streamlined file selection, encryption key management, and secure file transfer with an intuitive interface, reducing file transfer time by 40%.
- Enhanced data transfer rates by 30% through optimized network protocols, minimizing latency and packet loss.
- Demonstrated expertise in Java programming, cryptography, file management, and secure data transfer, ensuring a reliable and secure solution devised.

**"Healthcare" - An Android Application (Java)**

- Created a robust Android app in Java and Android Studio, optimizing appointment management by 30% for physicians and patients. Enabled efficient medical record retrieval, reducing paper-based documentation by 40% and enhancing data security.
- Integrated Java libraries (Retrofit, Gson) which streamlined data management and API integration; achieved 25% faster development time while maintaining 90% code coverage and best coding practices.

**EDUCATION****Master of Science - Computer Science | Fairleigh Dickinson University, Teaneck, NJ | Aug. 2021 – May 2023 | GPA - 3.16/4**

- Computer Architecture, Software Engineering, Database Systems, Operating Systems, Systems Programming, Data Structure, Assembly Language, Computer Architecture.

**Bachelor of Engineering - Information Technology | Charotar University of Science and Technology, Gujarat, INDIA | Aug 2016 - May 2020 | CGPA 7.6/10**

- Data Warehouse and Mining, Structure Object Oriented analysis and design, Analysis of Algorithm, Software Engineering, Object-Oriented Programming, Digital Communication and Networks, System Programming and Compiler Construction.

**TECHNICAL SKILLS**

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|-----------------------------|---|
| • Programming Languages     | C, C++, Java-8, Python, JavaScript  |
| • Web Technologies          | HTML5, CSS, PHP, XML  |
| • Databases                 | MySQL, SQL, Oracle, PL/SQL  |
| • Frameworks                | Collection, Spring Boot, Hibernate, AngularJS, Kanban   |
| • Web server                | Apache Tomcat   |
| • Development Methodologies | Agile, Scrum  |
| • Operating System          | Windows, Linux  |
| • Concepts                  | Machine Learning, SEO, DBMS, Blockchain, Docker   |
| • Tools                     | Eclipse, NetBeans, Visual Studio, Android Studio, Anaconda, IntelliJ, Excel, PowerPoint, Putty, Bash, PowerShell, Git, Jira, Maven (basic), Kafka (basic), AWS(Basic) |