

# EHSAN AHMAD SHAIK

## JAVA DEVELOPER

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### SUMMARY

Aspiring Java Developer with solid understanding of core Java concepts including data types, object-oriented programming, exception handling, and method implementation. Proficient in developing Java programs using Eclipse IDE with a focus on clean code, reusability, and performance. Quick learner with hands-on practice in method overloading/overriding, constructors, and object type casting. Eager to apply programming skills and grow in a collaborative development environment.

### TECHNICAL SKILLS

#### Java

- Strong understanding of Java syntax, variables, data types, and literals
- Familiar with access modifiers, operators, and control statements
- Good knowledge of OOP concepts: Inheritance, Polymorphism, Encapsulation, and Abstraction
- Experienced in method overloading and method overriding
- Skilled in defining and calling static and non-static methods
- Hands-on experience with constructors, including default and parameterized types
- Knowledge of constructor overloading and object initialization flow
- Understanding of exception handling using try-catch blocks, throw and throws keywords
- Practical experience with object type casting, including upcasting and downcasting
- Proficient in developing and debugging Java programs using Eclipse IDE
- Good understanding of Java Collections Framework, including List, Set, and Map interfaces
- Hands-on experience with ArrayList, LinkedList, Vector, and Stack classes
- Skilled in using HashSet, LinkedHashSet, and TreeSet for unique element storage
- Familiar with HashMap, LinkedHashMap, and TreeMap for key-value pair storage
- Knowledge of collection iteration using for-each loop, Iterator, and ListIterator
- Understanding of collections utility methods like sorting, searching, and synchronization

#### Web Development

- Strong understanding of HTML5 structure, semantic tags, forms, media embedding, and tables
- Skilled in CSS3 styling, including selectors, box model, flexbox, grid, animations, and transitions
- Knowledge of JavaScript fundamentals: variables, data types, functions, events, DOM manipulation, and ES6 features
- Understanding of JSP (JavaServer Pages) for dynamic web content generation
- Familiar with Servlets lifecycle, request/response handling, and session management

#### Database

- Hands-on experience with MySQL: creating databases, tables, queries, joins, constraints, and indexes
- Skilled in writing SQL queries for CRUD operations and database optimization
- Knowledge of integrating Java applications with MySQL using JDBC

#### Tools & Platforms

- Proficient in Eclipse IDE for Java development and debugging
- Familiar with Git basic commands for version control, including clone, add, commit, push, and pull

## PROJECTS

**Bank Management System** – A monolithic Java application built using **Core Java, JDBC, and MySQL**, designed to handle end-to-end banking operations such as customer onboarding, account management, secure transactions, and administrative workflows. The system ensures **data integrity, authentication, and transaction logging**, providing a scalable and modular solution for banking operations.

- Developed a full-fledged **Bank Management System using Java, JDBC, and MySQL** to manage customer accounts, transactions, and administrative operations.
- Implemented **customer and admin authentication workflows** with PIN-based secure login and account approval mechanism.
- Designed and built modules for **customer registration, balance management, fund transfer, PIN change, and account closure requests**.
- Integrated **transaction management system** for credit, debit, and mobile transfers, generating real-time account statements.
- Applied **robust input validations** (email, mobile, Aadhaar, PAN, gender, DOB, transaction limits) to ensure data integrity.
- Utilized **JDBC with MySQL** for efficient CRUD operations, including secure data handling via prepared statements.
- Wrote **modular, object-oriented code** with DAO, DTO, Service, and Exception layers, following clean architecture principles.
- Implemented **custom exceptions** (CustomerInvalidDataException) for user-friendly error handling.
- Generated **unique account numbers, IFSC codes, and secure PINs dynamically** using Java utilities.
- Logged transactions with **detailed records (amount, date, time, account references)** to support auditing.
- Enhanced console-based UI with **ANSI color codes and tabular formatting** for improved readability.

## EDUCATION

### Master's Of Computer Applications      2023-2025

- Nimra College of Engineering and Technology, Vijayawada
- Affiliated to Jawaharlal Nehru Technological University, Kakinada (JNTUK)
- CGPA: 8.0

## STRENGTHS

- Quick learner with the ability to grasp new technologies and concepts rapidly
- Strong analytical mindset with a keen ability to dive deep into tasks or topics
- Effective communicator with the ability to convey technical and non-technical ideas clearly
- Highly adaptable to different environments and collaborative team settings
- Attentive listener with strong focus and concentration skills

## ADDITIONAL INFORMATION

- **Languages:** English, Hindi, Telugu.