

Abhinav Kumar Mishra

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Certifications

CDAC | Post Graduate Diploma in Advanced Computing

- **Completed an advanced computing course**, covering software development, web technologies, database management, and emerging tech.
- **Gained hands-on experience** in full-stack development, handling both front-end and back-end, along with database design and integration.
- **Developed practical skills** through real-world projects and industry-relevant coursework.
- **Proficient** Java, Spring Boot, Spring Security, React-JS, Redux, Database management (SQL) and Software Engineering practices.

Projects

Tiffin Delivery and Management System

GitHub: [Project Link](#)

Description:

- **Developed** a full-stack application using **Spring Boot, Spring Data JPA, Spring Security, React-JS and MySQL** adhering to **SOLID principles** and clean coding practices.
- **Implemented role-based access control** for the users(customers, vendors, delivery personnel and admin) of the system.
- Leveraged **Spring Boot** and **Spring Data JPA** for back-end services.
- Utilize **React-JS** and **Redux** for a dynamic front-end.
- Ensured security with **Spring Security** and **JWT-based authentication**.
- Integrated **Websocket** to enable **real-time notifications** and updates, enhancing user experience.
- Deployed the system on the cloud using **AWS** for scalability, reliability and high availability.
- Implemented real-time interactions through **REST APIs**.
- Followed **SOLID principles** for maintainability and flexibility.

Small-ORM Application

GitHub: [Project Link](#)

Description:

- Developed an **Object-Relational Mapping tool** that **converts entities into SQL table creation queries using reflection** for dynamic SQL generation.
- **Automated CREATE TABLE statement generation** based on entity definitions, allowing for manual configuration of **DLL** paths for flexibility.
- Integrated account management functionalities, enabling basic **CRUD** operations for **users** and **accounts**, including **deposit** and **withdrawal** processes.
- **Output SQL queries for table creation to the console**, facilitating database operations such as **user registration, account creation, and transaction management**.
- **Tech Stack: .NET C#, Reflection, SQL, File I/O.**

Skills

- **Programming Languages:** C++, Java, C#, HTML, CSS, JavaScript
- **Frameworks / Libraries:** React-JS, Express, Spring Boot, Hibernate
- **Databases:** MySQL, MongoDB, MySQL-PL
- **Technical Skills:** Core Java, J2EE, Data Structures and Algorithms (DSA), Object-Oriented Programming (OOP)
- **Tools & Technologies:** Docker, Kubernetes, Jenkins, AWS EC2, Linux, Git, STS 4, Visual Studio 2022, Swagger, Postman

Education

Year	Degree/Examination	Institution/ Board	Percentage
2016	B.E	Chhattisgarh Swami Vivekanand Technical University, Bhilai, C.G.	70.81%
2011	12th	Central Board of Secondary Education	66.67%
2009	10th	Central Board of Secondary Education	67.66%

Achievements

- Achieved an AIR 17 in the C-CAT for admission to CDAC.

Co-Curricular Activities

- Assisted in organizing and managing a sports event in college.
- Part of the team that secured first place in the College Cricket