

DhineshKumar M

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EDUCATION

Knowledge Institute of Technology

Bachelor of Engineering in Computer Science CGPA: 8.6/10

Salem, Tamil Nadu

Till Vth Semester

ACHIEVEMENTS & LEADERSHIP

- Achieved **1st Rank in School** during **Grades 11 and 12** for sustained academic excellence, and served as the **School Pupil Leader**, acting as a liaison between students and faculty while coordinating academic, extracurricular, and disciplinary initiatives.
- Awarded the **Hall of Fame** recognition at the **Department level** in college for consistent academic performance and overall contribution, reflecting strong discipline, perseverance, and academic commitment.
- Served as an **Executive Member of the Scientel Association**, where I planned and executed multiple technical workshops and student-driven events, mentored junior students, and contributed to collaborative learning initiatives; recognized as a **Top Performer in Synergy Squad 3.0** for leadership effectiveness and execution excellence.

PROJECTS

Social Network Recommendation Engine *Java, OOPS, DSA, Collections, BFS, HashMap, PriorityQueue* [View](#)

- Designed and implemented a **graph-based recommendation system** by modeling users as nodes and relationships as edges, enabling efficient traversal and scalability for large user networks.
- Built the complete recommendation workflow using **BFS** to identify mutual connections up to configurable levels, ranked suggested users using **PriorityQueue**, and optimized relationship lookups with **HashMap** and **HashSet**, reducing redundant traversals.
- Resolved challenges related to **duplicate recommendations and traversal inefficiency** by maintaining visited-state tracking and refining BFS traversal logic, resulting in faster recommendation generation and improved accuracy.

BiteNow – Online Food Delivery Application (v5) *Java, JSP, Servlets, JDBC, MySQL, OOPS* [View](#)

- Developed a **scalable, modular full-stack food delivery system** using **Low-Level Design principles** and a layered architecture (Controller–Service–DAO), supporting user onboarding, restaurant discovery, and order management.
- Implemented the end-to-end workflow covering **user authentication, restaurant and menu listing, cart management, order placement, payment simulation, and order history** using **JSP, Servlets, JDBC, and MySQL**.
- Overcame challenges related to **session handling, cart persistence, and order consistency** by optimizing servlet flow, validating transactional operations, and ensuring reliable database interactions, improving system stability across multiple user sessions.

EXPERIENCE

Full Stack Java Developer Intern

Sep 2024 – Oct 2024

NoviTech Research and Development | [View](#)

Remote

- Developed **QPAY**, a full-stack online banking application using **Java, JSP, Servlets, JDBC, and MySQL**, with a strong focus on backend development, request–response handling, and database interactions.
- Implemented end-to-end **CRUD operations** by applying **OOPS principles** and the **DAO design pattern**, ensuring clean separation of concerns, reusable components, and a maintainable backend architecture.

TECHNICAL SKILLS

- Backend Development:** Java, JDBC, JSP, Servlets, **Spring Boot (Basics)**, REST APIs, **JPA**, MySQL.
- Frontend & Tools:** HTML, CSS, JavaScript, Bootstrap, Git, Postman.
- Computer Science Fundamentals:** Data Structures & Algorithms, Object-Oriented Programming (OOPS), Operating Systems, Computer Networks, Low-Level Design.

CERTIFICATES

DSA Course Completion Certificate

[View](#)

System Design (LLD) Certificate

[View](#)