RAKSHAN D

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Profile

A highly motivated engineering graduate with a strong foundation in programming, backend development, and system design. Hands-on experience in building full-stack and backend CMS platforms with a solid understanding of APIs, databases, and role-based systems. Strong interest in backend software, large-scale systems, and IT roles that require both technical and analytical skills.

Education

S.D.M College of Engineering and Technology, Dharwad   CGPA: 8.07
Bachelor of Engineering in Electronics and Communication (2021 - 2025)

SMPU Science College, Dharwad   Percentage: 88.66%
Pre-University Education (2019 - 2021)

St. Joseph's High School, Dharwad   Percentage: 94.24%
Secondary Education (2006 - 2019)

Internship

- Full-Stack Java Development Intern — Kodnest
- (Internship & Professional Training Program)
- Built multiple backend-driven and full-stack applications following proper architecture and coding standards.
- Gained hands-on experience on the fields like,
- Java application development
- Database integration using SQL
- Backend logic design and API-style architecture
- Debugging, code structuring, and project-based development
- Developed strong understanding of industry-level software development workflow and best practices.

Skills

- **Programming Languages:** C, Java, JavaScript
- **Backend & Web Technologies:** Java (Spring Boot), Node.js, Express.js, RESTful API Development, Authentication & Authorization, Role-Based Access Control (RBAC), Admin & Analytics Dashboards
- **ORM & Persistence:** Hibernate (JPA), Prisma ORM — entity modeling, relationships, migrations, and database interaction
- **Database Technologies:** MySQL, PostgreSQL — schema design, normalization, indexing, and CRUD operations
- **System & Software Concepts:** Data Structures & Algorithms, Object-Oriented Programming (OOP), Backend System Design Basics, API Design, Database Modeling, Client–Server Architecture
- **Development Practices & Tools:** Modular Backend Development, Feature Planning & Breakdown, Debugging & Optimization, Git Version Control, Clean Code & Maintainable Architecture
- Developer Productivity & AI Tools:
- **AI Tools:** ChatGPT, GitHub Copilot, Antigravity *(used for code assistance, debugging, refactoring, and documentation support)*
- **Productivity Practices:** API testing, log analysis, requirement breakdown, and rapid prototyping

Acadamic projects

NammaPG – PG Management Platform
- Designed and developed the backend for NammaPG, a PG management platform to manage PG listings, users, owners, and administrative operations.
- Built RESTful APIs, authentication, and role-based dashboards (Admin, PG Owner, User) to securely control access and platform workflows.
- Implemented database schema design and backend business logic using Spring Boot, Hibernate (JPA), and MySQL, gaining hands-on experience with scalable, API-driven system architecture.

Central Management System (CMS)
- Designed and developed a backend CMS platform to manage users, devices, and operational data in a startup-style project environment.
- Built RESTful APIs, authentication, and role-based dashboards to control access and visualize system data.
- Worked on database schema design and backend logic, gaining experience with scalable, API-driven system architecture.

Vaultera- a virtual depository
- Developed "Vaultera"– a full-stack school administration and management website using HTML5, CSS3, JavaScript, React.js to streamline academic file storage, user roles, and communication with AI features.
- Implemented role-based access control (Student, Teacher, Admin) with secure login, cloud-like storage, timetable sharing, and document uploads, enhancing digital collaboration and operational efficiency.
- Integrated MySQL for structured backend database management, and also used Gemini's API for AI.

Languages
- English (Professional Proficiency)
- Hindi (Professional Proficiency)
- Kannada (Native/Bilingual Proficiency)