GUDDU KUMAR

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SUMMARY

A recent Electronics and Communication Engineering graduate and aspiring Software Engineer with hands-on backend development experience in Node.js, Express.js, and MongoDB. Skilled in building RESTful APIs, database management, and authentication with role-based access control. Seeking a Software Engineer / Backend Developer role.

TECHNICAL SKILLS

Programming Languages: JavaScript, Python, Java (OOP)

Backend Development: Node.js, Express.js, REST APIs, JWT Authentication & Authorization

Frontend Development (Basic): HTML5, CSS3, JavaScript

Databases: MongoDB, MySQL

Tools & Platforms: Git, GitHub, Postman, VS Code, IntelliJ IDEA

PROJECTS

Spotify Backend Clone (Role-Based) | *Node.js, Express.js, MongoDB, JWT, REST APIs*

- Engineered 12 RESTful API endpoints across authentication, music, and playlist modules for a role-based music streaming application.
- Implemented JWT-based and bcrypt-based authentication with role-based access control for 2 user roles (Artist and Listener), securing route authorization and session management.
- Designed and optimized MongoDB schemas for users, songs, and playlists with proper data relationships and validation; integrated ImageKit for media storage and deployed the API on Render.

Car Rental System | *Java, OOP, ArrayList, Collections*

- Developed a Java-based console application for car rental management with 8 menu-driven operations, including add, remove, search (by ID and model), rent, return, and update price.
- Applied Object-Oriented Programming principles (classes, objects, ArrayList) to model car entities and rental logic through a menu-driven interface.

AI Image Generator | *HTML5, CSS3, JavaScript, Node.js, Express.js, REST APIs*

- Created a full-stack AI-powered image generation web app that integrates an external AI API to produce images from text prompts.
- Implemented a responsive UI with real-time image display, download functionality, and loading state management, improving overall user experience.

CERTIFICATIONS & TRAINING

- Big Data and Data Science Bootcamp — NIELIT Chandigarh & CDAC, FutureSkills PRIME (MeitY & NASSCOM Initiative, Government of India), February 2025 (Certificate No: FSP/BCMP/NIELITCHD/BDDS/CDAC/NOI/B01/2502/190)

ACHIEVEMENTS & EXTRACURRICULAR ACTIVITIES

- Adobe India Hackathon (2024): Qualified Round 1 out of thousands of participants nationwide, competing via the Unstop platform.
- Xiaomi Ode2Code 3.0 (2023): Competed in Quiz Round I as part of Team 'Mr Unknowns' in the Xiaomi India coding competition via Unstop.
- Technical Treasure Hunt – Parivartan 2K23 (2023): Participated in the National Techno Cultural Fest organized by Chandigarh Group of Colleges.

EDUCATION

B.Tech – Electronics and Communication Engineering 2022 – 2026

Chandigarh Group of Colleges (CGC), Landran, Mohali, Punjab | CGPA: 7.8 / 10