

# DHUP PATEL

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## OBJECTIVE

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Backend-focused software engineer passionate about building scalable systems with Java, Spring Boot, and MySQL, continuously learning and adapting to new technologies to deliver reliable real-world solutions.

## SKILLS

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- **Programming Languages:** Java, SQL
- **Web Technologies:** Spring Boot, Spring MVC, REST APIs, React
- **Database Systems:** MySQL
- **Developer Tools :** Git, GitHub, IntelliJ IDEA, MySQL Workbench, Postman

## PROJECTS

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- **AdmissionCRM - CRM for Automating College Admission Workflows** [GitHub](#) October 2025  
*Tools: Java, Spring Boot, Spring MVC, MySQL, React, REST APIs*
  - Designed a role-based CRM system enabling colleges to manage student inquiries, admissions, and enrollments.
  - Developed lead capture, scoring, and automated assignment to counselors using round-robin, priority-based, and availability-based strategies.
  - Enabled counselors to track, update, and convert leads into enrollments through structured workflow stages.
- **QuickCourt: Sports Facility Booking Platform** [GitHub](#) August 2025  
*Tools: Java, Spring Boot, Spring MVC, MySQL, React, REST APIs*
  - Built a full-stack sports booking platform with role-based dashboards for users, facility owners, and admins, supporting facility management and booking workflows.
  - Engineered secure authentication, filtered venue search, booking/payment simulation, analytics dashboards, and concurrency control to prevent double time-slot bookings.
- **AI-Powered Customer Churn Prediction and Retention System** [GitHub](#) KenexAI Hackathon 2026  
*Tools: Python, PostgreSQL, Machine Learning, ETL Pipelines, GenAI, LLM APIs*
  - Designed an end-to-end churn prediction system using structured data pipelines (Bronze–Silver–Gold architecture) and machine learning models to identify high-risk customers.
  - Created ETL workflows and data processing pipelines to generate actionable insights for churn analysis
  - Integrated LLM-based GenAI using prompt engineering to generate personalized retention strategies and dashboards.
- **GuruInfotech – Product Showcase Website with Admin Panel** [Live link](#) Live Production Project  
*Tools: Java, Spring Boot, Spring MVC, MySQL, REST APIs*
  - Developed and deployed a live product showcase website for GuruInfotech with an admin panel for product and category management, supporting Excel-based bulk import/export for efficient inventory updates.

## EDUCATION

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- **B.Tech in Computer Engineering | CGPA: 9.02** Jul 2023 - Present (Expected Graduation: 2027)  
*Charotar University of Science and Technology* Anand, Gujarat
- **12th Science from Gujarat Board | Percentile: 90.88** March 2023  
*Shree H.L. Patel Saraswati Vidhyalaya* Modasa, Gujarat

## INTERSHIPS

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- **Java Backend Developer (Intern)** May 2025 - July 2025  
*Charusat Inhouse* Anand, Gujarat
  - Worked on backend development using Java, Spring Boot, REST APIs, JWT-based authentication, and role-based access control.
  - Designed and managed MySQL databases using JPA/Hibernate, contributing to scalable backend workflows and microservices.

## ACHIEVEMENTS

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- **Winner – KenexAI Hackathon 2026:** Built an AI-powered churn prediction and retention system using ML and GenAI.
- **1<sup>st</sup> Place – District Level Science Fair:** Designed and built an **Automatic Headlight Dimmer** system to reduce glare from high-beam headlights and improve road safety during night driving.

## CERTIFICATIONS

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- **Coursera:** Spring Framework - Ecosystem and Core December 2024
- **Coursera:** Spring MVC, Spring Boot and Rest Controllers December 2024
- **NPTEL:** Design and analysis of algorithms April 2025
- **NPTEL:** Data structure and algorithms using JAVA December 2024