

KARTIKEY KUSHAGRA

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OBJECTIVE

I am a Full Stack Web Developer with strong expertise in backend development using Java and Spring Boot, and experience building scalable end-to-end web applications. I have a solid foundation in Data Structures and Algorithms and have integrated machine learning models into web applications. I am seeking an internship opportunity to further strengthen my software engineering skills.

EDUCATION

B.Tech in Computer Science, Manipal University Jaipur

Expected 2027

CGPA: 8.78

Relevant Coursework: DSA, OOPS, Operating Systems, Computer Networks, RDBMS, Computer Organization and Architecture.

Class XII in PCM with Computer Science, St. Francis' College

2009 – 2023

X Board Result: 97.2%

XII Board Result: 85.6%

SKILLS

Languages

Java, HTML, CSS, JavaScript, Python

Frameworks

Spring, Spring Boot, React, Servlets, JavaServer Pages (JSP), NumPy, Pandas

Databases

MySQL, PostgreSQL, MongoDB

Tools

Git, GitHub, VS Code, IntelliJ IDEA, Eclipse IDE, Google Colab

Problem Solving & DSA

250+ LeetCode problems: Arrays, Strings, Hashing, Two Pointers, Binary Search, Sorting, Linked Lists

Platforms & Integrations

Render, Vercel, JWT Authentication, OAuth 2.0, Razorpay, Cloudinary, SendGrid

EXPERIENCE

Backend Development Intern

May 2025 – Present

Precursor Info Solutions

Lucknow, UP

- Designed and developed backend modules using **Java and Spring Boot**, implementing **MVC and layered architecture** with persistent data handling via **JPA/Hibernate**.
- Built and optimized server-side logic for application workflows, ensuring reliable data processing and seamless database interaction.

Full Stack Web Development Intern

May 2024 – July 2024

Precursor Info Solutions

Lucknow, UP

- Developed end-to-end web features using **HTML, CSS, JavaScript, Servlets, and JSP**, integrating dynamic content with MySQL-based persistence.

Web Development Co-Lead

September 2024 – Current

Google Developer Student Clubs, MUJ

Rajasthan, Jaipur

- Led development and maintenance of the official **GDG website**, supporting events and information delivery for 500+ members.
- Coordinated and supported technical workshops and hackathons, providing hands-on exposure to web development for 300+ students.

PROJECTS

Campus Connect – Club Event Management System

[GitHub](#) [Live](#)

Tech Stack: Spring Boot, React, MySQL, JWT Authentication, Razorpay, Cloudinary

- Designed and developed a full-stack platform for college club event discovery and registration, enabling students and faculty to manage events with role-based access control (Admin/Student).
- Implemented secure authentication using **Spring Security and JWT**, integrated **Razorpay** for payment-based registrations, built scalable backend services with **Spring Boot and JPA**, and integrated media storage via **Cloudinary**.

GitGrade – GitHub Repository Quality Analyzer

[GitHub](#) [Live](#)

Tech Stack: Spring Boot, React, PostgreSQL, JWT, OAuth 2.0, Google Gemini API

- Built an AI-powered platform that analyzes public GitHub repositories and assigns a **quality score (0–100)** based on structure, documentation, CI/CD usage, and security practices.
- Designed backend services using **Spring Boot** and GitHub APIs to generate **AI-assisted improvement roadmaps**, implemented secure authentication with **JWT** and **Google OAuth**, and deployed the system with automated CI/CD pipelines.

LICENSES & CERTIFICATIONS

Data Structures & Algorithms [CodeChef](#)

Database Design, Foundations and Programming with SQL [Oracle](#)

Object Oriented Programming Using Java [GeeksforGeeks](#)

Machine Learning Specialisation by Andrew Ng [Coursera](#)

Data Structures and Algorithms using Java Indian Institute of Technology, Madras

HONORS AND AWARDS

Dean's List Excellence in Academics (9+ GPA for 3 semesters) – [Certificate](#)

National Semi-Finalist — Flipkart GRiD 7.0 Hackathon ([Certificate](#))

Shortlisted for Nationals in Smart India Hackathon 2024 out of 250+ teams, representing Manipal University Jaipur — organized by the Ministry of Education's Innovation Cell and AICTE.— [Certificate](#)

RESEARCH & PUBLICATIONS

MediAssistant: Symptom-Based Disease Diagnosis — [Conference Paper](#)

Conducted research on a large-scale disease diagnosis system covering **700+** diseases using **300+ symptoms**, focusing on probabilistic classification, dataset preprocessing, and evaluation for reliable medical triage. ([Paper](#)) ([Code](#))