KARTIKEY KUSHAGRA

+91 9454906412   Lucknow, Uttar Pradesh   Portfolio Website

kartikeykushagra14@gmail.com   LinkedIn   GitHub   LeetCode

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
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**, generated PDF reports via email, 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)