

AKASH RAI

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Education

LJ Institute of Engineering and Technology

Nov 2022 - Present

Bachelor of Computer Science & Technology

CPI: 8.7/10

Experience

Headstarter AI | Software Engineering Fellow

Jul 2024 - Present

- Developed a personal website using HTML, CSS, and DNS configuration.
- Created a full-stack application using ReactJS, NextJS, and Firebase, improving user engagement by 30%.

Projects

Map Navigator | Spring Boot, JSP, PostgreSQL | [GitHub](#)

Apr 2024

- Designed and developed a map navigator using Dijkstra's algorithm with an in-memory graph to improve route efficiency.

JobScrape360 | Flask, Beautiful Soup, Selenium, PostgreSQL | [GitHub](#)

Apr 2024

- Developed a web application to search for optimal job opportunities across prominent websites using web scraping techniques, increasing job search efficiency.

Cart Central | Flask, Jinja2, PostgreSQL | [GitHub](#)

Mar 2024

- Designed and developed a full-stack e-commerce platform with customer, merchant, and admin interfaces, enhancing user experience and transaction efficiency.

Faculty Management System | Spring Boot, Spring Security, JavaFX, PostgreSQL

Feb 2024

- Developed a comprehensive system for managing faculty details, schedules, and performance, replacing manual tracking methods.
- Currently developing an enhanced version using Next.js and Spring Boot, incorporating additional features such as advanced analytics, real-time notifications, and improved user interface for enhanced performance and scalability.

Trip Buddy | Java, JavaFX, MySQL | [GitHub](#)

Oct 2023

- Developed a desktop application for efficient trip management for both customers and admins, streamlining the booking process.

Store Management System | Java | [GitHub](#)

Apr 2023

- Created a console-based application for inventory management, sales tracking, and employee management, optimizing store operations.

Technical Skills

Languages: Java, Python, JavaScript

Frameworks: Spring Boot, Spring Security, Spring Data JPA, Express, Flask, Next.js

Databases: MySQL, PostgreSQL, MongoDB

Tools & Technologies: Git, GitHub, Node.js, Maven, JavaFX, TypeScript

Certification

Oracle Cloud Infrastructure 2024 Generative AI Professional – [Oracle Credential](#)

Postman API Fundamentals Student Expert – [Postman Credential](#)

AI for Everyone – [DeepLearning.AI Credential](#)

Introduction to Generative AI – [Google Cloud Credential](#)

HTML, CSS, and JavaScript for Web Developers – [The Johns Hopkins University Credential](#)

Java Spring Framework 6 with Spring Boot 3 – [Udemy Credential](#)

Winter Training Program | Getting Started with Spring Boot – [Coding Ninjas Credential](#)

Database Design and Basic SQL in PostgreSQL – [University of Michigan Credential](#)

Inheritance and Data Structures in Java – [University of Pennsylvania Credential](#)

Introduction to Java – [LearnQuest Credential](#)

Achievements

Final Round, Cyber Security at **IIT Bombay** Techfest

Apr 2019