Ojas Tyagi
Software Developer

My Contact

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- www.github.com/ojasvatstyagi
- ojasvatstyagi.github.io/Portfolio

Education

- **Amrita Vishwa Vidyapeetham Bengaluru, Karnataka**

  B. Tech in Computer Science

  Jan, 2022 - Present

- **Anand Swaroop Arya Saraswati Vidya Mandir**

  12th Grade with PCM | Percentage: 94.00%

  Completed in 2021

- **Anand Swaroop Arya Saraswati Vidya Mandir**

  10th Grade with PCM | Percentage: 93.40%

  Completed in 2019

About Me

A dedicated technologist with a profound passion for innovation and a solid foundation in web development, Java programming, and database management. Eager to leverage my skills and experience in a dynamic role that helps growth and real-world impact.

Internship

Project Intern at Infosys Springboard

May, 2024 - Jul, 2024

- Focused on developing a Java Spring Boot application for the Flight Management System.
- Created login and sign-up with email verification.
- Collaborated with buddy mentors and project mentor Suramya Biswas.
- Skills used: Java, Spring Boot, JSP, Eclipse IDE.

Projects

Flight Management System
Developed using Java Spring Boot, MongoDB
- Created RESTful services for managing flight details, users, and bookings.
- Integrated Spring Security with BCrypt for secure user authentication.
- Optimized database interactions using MongoDB.

Camera Placement Optimization
Java
- Designed a Java program to optimize the placement of cameras on a graph using a grid traversal approach.
- Ensured maximum node coverage through efficient calculations of camera positions.

Tour and Travel Application
Java, Swing, JDBC
- Developed a desktop application for managing personal details, packages, hotel bookings, etc.
- Utilized a dynamic database to provide real-time data management.
- GitHub: [https://github.com/ojasvatstyagi/Travel--Management-Application--JavaSwing]

Technical Skill

- **Programming :**
    - Java
    - HTML
    - CSS
    - JavaScript
    - PHP
- **Frameworks & Tools:**
    - Spring Boot
    - Spring Framework
    - JSP
    - Eclipse IDE
    - Git & GitHub
    - VS Code
- **Databases:**
    - MySQL
    - MongoDB

Soft Skill

- Team Management
- Collaboration
- Communication
- Problem-Solving

Languages

- Hindi
- English

J.A.M.E.S (Judicial Administrative Management System)
HTML, CSS, PHP, JavaScript, SQL
- Built a legal management system with secure user authentication.
- Ensured efficient data processing for judicial management.
- GitHub: [https://github.com/ojasvatstyagi/J.A.M.E.S-DBMS-Project]

Student Help Desk Website
HTML, CSS
- Designed a user-friendly website to provide academic resources and support for batchmates.
- GitHub: [https://github.com/ojasvatstyagi/Student-Helpdesk-Basic-WebDep]

Certifications

- Infosys | Young Java Professional Certification
    - Comprehensive training in Java programming, focusing on best practices and efficient coding techniques.

- Hacker Rank | Programming using Java
    - Developed proficiency in Java, including core concepts and advanced topics.

- Infosys | Database Management System
    - Gained expertise in database design, management, and SQL queries.

- Udemy | Linux and Shell Scripting
    - Acquired skills in Linux operating systems and shell scripting for automation.

- FreeCodeCamp | JavaScript Algorithms and Data Structures
    - Enhanced understanding of JavaScript algorithms and data structures.

- ·Coursera | Java FullStack Developer
    - Learned to develop web applications using HTML, CSS, Angular, and how to setup backend using Spring & SpringBoot.

Extra-curricular Activities

- Participated in various coding competitions and hackathons, showcasing problem-solving skills and innovation.

- Active college tech club member, organizing workshops and seminars on emerging technologies.

- Obtained NCC B Certificate after completing rigorous physical and academic examinations in 2021.

- Secured 2nd place while representing the Computer Science Engineering department in handball interdependent.

- Played for the college cricket team, contributing to team strategy and performance through strong collaborative skills.