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| **Ojas Tyagi** |  |  |  | **E Email:** ojastyagi753@gmail.com  **Phone No:** +91-8533835307  **Portfolio:** [Portfolio Web](Portfolio:%20ojasvatstyagi.github.io/Portfolio-WebPage)  **GitHub:** [**ojasvatstyagi**](https://www.github.com/ojasvatstyagi)  **LinkedIn:** [**Ojas Tyagi**](https://www.linkedin.com/in/ojas-tyagi/) |

**Profile**

Dedicated technologist with a profound passion for innovation and a solid foundation in web development, Java programming, and database management. Currently pursuing a Bachelor's degree in Computer Science Engineering and actively involved in developing full-stack Java applications. Eager to leverage my skills and experience in a dynamic role that fosters growth and real-world impact.**Certifications | InternshipsCertifications:**

* **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.
* **Freedcamp | JavaScript Algorithms and Data Structures (Beta)**
  + Enhanced understanding of JavaScript algorithms and data structures.

**Infosys Springboard Intern**

* **Company:** Infosys
* **Duration:** May 2024 - Present
* **Responsibilities:**
  + Contributing to the Flight Management System project, focusing on developing a Java Spring Boot application.
  + Creating and implementing login and signup pages using JSP.
  + Collaborating with buddy mentors and project mentor Suramya Biswas.
  + Utilizing skills in Java, JSP, Spring Boot, and Eclipse IDE.

**Projects**

**Camera Placement Optimization**

* Developed a Java program to optimize the placement of a camera on a graph to maximize the coverage of nodes within a given view range, using a grid traversal approach.
* **Key Feature:** Efficiently calculated optimal camera positions to ensure maximum node coverage.

**Tour and Travel Application**

* Developed a desktop application using Java Swing and JDBC for managing personal details, checking packages, booking hotels, and more.
* **GitHub:** [Travel Management Application](https://github.com/ojasvatstyagi/Travel--Management-Application--JavaSwing)
* **Technologies Used:** Java, Java Swing, JDBC.
* **Key Feature:** Integrated seamless user interaction with a dynamic database for real-time data management.

**J.A.M.E.S - Judicial Administrative Management and Execution System**

* Developed a system using HTML, CSS, PHP, JavaScript, and SQL to uphold the rule of law and ensure legal standards and protections.
* **GitHub:** [J.A.M.E. S](https://github.com/ojasvatstyagi/J.A.M.E.S-DBMS-Project)
* **Technologies Used:** HTML, CSS, PHP, JavaScript, SQL.
* **Key Feature:** Implemented secure user authentication and efficient data processing for legal management.

**Student Help Desk Website**

* Created a website during the first semester of engineering to assist batchmates with their studies.
* **GitHub:** [Student Helpdesk](https://github.com/ojasvatstyagi/Student-Helpdesk-Basic-WebDep)
* **Technologies Used:** HTML, CSS.
* **Key Feature:** Provided a user-friendly interface for academic resources and support.

**Skills**

* **Programming Languages:** Java, HTML, CSS, JavaScript, PHP.
* **Frameworks and Tools:** Spring Boot, JSP, Eclipse IDE, GIT & GitHub, VS code.
* **Databases:** MySQL.
* **Other Skills:** Spring Framework, Team Management, Problem-Solving, Cross-Functional Collaboration, Research and Analysis.

**Education**

| **Year** | **Degree/Examination** | **Institution/ Board** | **CGPA/Percentage** |
| --- | --- | --- | --- |
| 2026 | B. Tech | Amrita Vishwa Vidyapeetham, Bengaluru | 9.20 |
| 2020 | 12th | Anand Swaroop Arya Saraswati Vidya Mandir, Roorkee, Uttarakhand | 94.00% |
| 2018 | 10th | Anand Swaroop Arya Saraswati Vidya Mandir, Roorkee, Uttarakhand | 93.40% |

**Achievements and Co-Curricular Activities**

* Participated in various coding competitions and hackathons, showcasing problem-solving skills and innovation.
* Active member of the college's tech club, organizing workshops and seminars on emerging technologies.
* 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.

**Languages**

* English
* Hindi