YASH AGRAWAL

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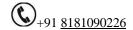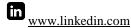
Work Experience

Infosys Limited | System Engineer   **Oct 2022-Sept 2024**

- Collaborated with cross-functional teams to develop and maintain **software development** and engineering **responsibility** deliverables.
- Supported system design, implementation and testing phases of projects utilizing strong **coding** practices and methodologies.
- Demonstrated proficiency in troubleshooting and resolving technical issues related to **software engineering**.
- Developed strong problem-solving skills while ensuring adherence to project timelines and quality standards through effective **programming**.
- Also acquired knowledge in **Windows Admin, Active Directory Admin, Red Hat Enterprise Linux OS, Exchange Server Admin, Networking** and **Optimisation** strategies for **cloud services**.

Cetpa Infotech | Intern   **May 2022-Oct 2022**

- Developed and maintained various web applications using Flask, and NodeJS, focusing on **object-oriented programming** principles.
- Designed responsive front-end interfaces using **HTML, CSS, and JavaScript** frameworks while enhancing user experience.
- Implemented authentication and authorization mechanisms to ensure application security through best **programming** practices.
- Implemented **RESTful APIs** to facilitate communication between **front-end** and **back-end** systems, resulting in improved performance and scalability for **web development**.
- Optimized **database** queries and data models to enhance application speed and efficiency using various optimization techniques and technical design principles.

Project

Ruralink | Python, Flask, MySQL, MongoDB | Code   **2024**

- Ruralink is a web-based platform designed to bridge the gap between rural communities and urban resources. The project enables users in rural areas to access essential services such as healthcare, education, government support, and local market information. Featuring a user-friendly interface, Ruralink offers functionalities like real-time messaging, service bookings, and a marketplace for local goods

Face Analyzer | Python, Machine Learning, Deep Learning | Code   **2022**

- Face Analyzer, a cutting-edge project, employs computer vision techniques to analyze facial expressions, age, and gender. Utilizing deep learning algorithms, it provides real-time insights, facilitating emotion recognition and demographic profiling. Empowering users with innovative insights, Face Analyzer revolutionizes how we interpret and understand human facial dynamics.

Book Emporium | Python, Flask, MySQL | Code   **2021**

- Book Emporium is a dynamic web application built using the Flask framework, designed to provide users with a seamless experience for buying and selling books online. With robust user authentication and CRUD (Create, Read, Update, Delete) functionality, Book Emporium offers a secure and intuitive platform for both buyers and sellers. . Additional functionalities include advanced search filters, real-time notifications, and a rating system for sellers, making it a comprehensive and user-friendly solution for book transactions.

Technical Skill

Programming Languages: C, Java, Python, R, HTML, CSS, JavaScript, SQL

Web Development: Flask, Node.js, Express.js, React.js, Django

Databases: MySQL, SQLite, PostgreSQL, MongoDB

Tools & Technologies: Git, RESTful APIs, Postman, AWS, Azure, Ansible

Data Science: Tableau, Power BI, Matplotlib, pandas, NumPy, scikit-learn, TensorFlow, PyTorch

Education

Master of Technology (CSA)   **2024-2026**
National Institute of Technology Delhi   8.85 CGPA
Bachelor of Technology (CS&E)   **2018-2022**
Dr. APJ Abdul Kalam Technical University Lucknow (SMS Lucknow)   8.58 CGPA

Achievement

- **GATE Qualified (2023 & 2024)**: Demonstrated strong engineering knowledge.
- **250+ Leetcode Problems Solved**: Enhanced problem-solving and coding skills.
- **Tech Head – College Fest**: Led technical team, managing software development and event campaigns.