

Vaibhav Gupta

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Experience

SplashLearn

May 2023 - November 2023

Software Developer Intern

Gurugram, Haryana

- Pioneered the development of the back-end of the Springboard project, a platform for a 10-week annual contest for over 500,000 students in the USA and Canada from Kindergarten to grade 5 using **Spring Boot in Java**.
- Designed, implemented, and tested **REST APIs** on different environments for **creating** contests, **managing** weekly contest intervals, **implementing** points systems, and **generating** performance-based student certificates in each of the weekly contests using a contest certificates model.
- Analyzed source code to identify functionality issues and **improved** mail communication efficiency by **migrating API calls to Kafka**. This enabled the simultaneous processing of diverse mail, **reducing communication delays** by up to 35%.
- Achieved significant results by **enhancing** the reliability, scalability, and performance of the back-end system after **deployment**, which strengthened its capacity to **efficiently** manage mail communications and client interactions for a student base exceeding 40 million users worldwide.

Twowaits Technologies Private Limited

February 2022 - March 2022

DSA Intern

Gurugram, Haryana

- Independently tackled a **challenging** variety of Data Structures and Algorithms tasks during 2 months of internship that required thorough knowledge.
- Created and solved problems across **diverse difficulty levels** in the given 3-hour time frames each day.
- Completed all the assigned tasks and **submitted** weekly reports within the given deadlines.
- Developed **innovative DSA problems** and quizzes for more than 100 students, providing **optimised** and **readable** code by addressing complex challenges.

Skills and Certifications

Languages and Concepts: Java, Python, Ruby, HTML/CSS, JavaScript, Data Structures and Algorithms, Object Oriented Design Patterns, MVC architecture, Database Management System, Competitive Programming, REST API, Agile methodology.

Tools and Technologies/Frameworks : Spring Boot, Ruby on Rails, Kafka, Android SDK, ReactJS, MySQL, PostgreSQL, Jenkins, GitHub, JUnit, Git, VS Code, Android Studio, Eclipse, IntelliJ IDEA, Postman, Dbeaver.

Certifications: System Design Concepts of Instagram by **Scaler(2024)** The Joy of Computing using Python by **NPTEL (November 2022)**, Competency in Android Development by **MyCaptain (March 2021)**, Fundamentals of Java for software development by **Progate (September 2020)**.

Education

Birla Institute of Technology Mesra

August 2019 - May 2023

Bachelor of Technology in Information Technology (CGPA: 8.01)

Ranchi, Jharkhand

Projects

Brain Trainer App | <https://github.com/guptajihere/BraintrainerApp>

- Customized timer quiz app that allows users to answer as many questions as possible within a default time limit of 30 seconds.
- Utilized Java programming to manage user interactions, including prompting questions and incrementing scores by 1 for correct answers.
- Integrated XML for designing the app's user interface, ensuring a visually appealing user experience and allowing users to opt for a new time setting and play again.

Movie Trailer Search | <https://github.com/guptajihere/MovieTrailers>

- Built a React project for movie trailers, leveraging API integration to fetch trailers one by one from the internet and seamlessly display them on the web page.
- Implemented search functionality to store user queries in a state variable and fetch the corresponding video URL upon clicking the search button, storing it in another state variable.
- Used 'movie-trailer' npm package to find trailer URLs and 'react-player' npm package to display the content.