

# HARSH GOVIND

Student at Birla Institute of Technology Mesra

+91 8578945722 hello@harshgovind.com linkedin.com/in/harshgovind github.com/harsh-govind

## Education

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### Birla Institute of Technology Mesra

2020 - 2024

Bachelor of Technology in Computer Science and Engineering

8.7 CGPA

## Experience

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### Zoplar

March 2024 – Present

Software Engineer Intern

Gurugram, Haryana

- Developing and implementing reusable React components with hooks and context API for the admin panel's user interface, ensuring optimal rendering and state management.
- Integrating with Amazon Web Services (AWS) for hosting and leveraging services like S3, EC2, etc.
- Building RESTful APIs using Node.js and Express.js to facilitate CRUD operations and data exchange between the React frontend and MongoDB database.
- Implementing server-side logic using Node.js for data validation, authentication, and business logic processing.

### Liveasy Logistics

Nov 2022 – July 2023

Software Engineer Intern

Remote

- Developed RESTful APIs with Node.js and MongoDB to enable user management functionality, including login, registration, role-based access control, and password reset.
- Developed the main website of the company using HTML, CSS, VanillaJS and other technologies.
- Collaborated with cross-functional teams, including design and product, to develop and maintain the company's website and ensure it meets the needs of users and stakeholders.
- Improved website ranking by 40% on Google Search through SEO optimizations.

## Projects

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### ShopNest (Link) | Node.js, Express.js, MongoDB, Postman

June 2023

- Developed backend system powering core functions of a full-stack e-commerce website.
- Developed RESTful APIs with Node.js and MongoDB to enable user management, product management and order management functionality.
- Implemented JWT-based authentication using Express middleware for secure user access and account management.
- Built advanced CRUD functionality for users, products, and orders to support complex business needs.

### Playlist Data (Link) | YouTube Data API, HTML, CSS, Node.js, Express.js

July 2022

- Developed a web application which gives the entire duration of a Youtube Playlist.
- Used YouTube Data API v3 to retrieve playlist metadata, including video titles, durations, and counts.
- Handled a limit of 100 videos of API and made it limitless to process the biggest playlist of 5,000 videos.
- Built robust backend infrastructure with Node.js and Express to handle large volumes of API requests.

### Quogen (Link) | Unsplash API, Type.fit API, Twitter API, HTML, CSS, JavaScript

June 2022

- Built clean, adaptive UI with HTML, CSS and Vanilla JavaScript. Used Type.fit and Unsplash APIs to generate random inspirational quotes and background images in a responsive web app.
- Integrated Twitter API to allow easy quote sharing to social media from the app.
- Cached API responses locally using IndexedDB to allow near-instantaneous quote generation after initial load.

## Technical Skills

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**Languages and Frameworks or Library:** C, C++, Java, HTML/CSS, JavaScript, ReactJS, NodeJS, ExpressJS

**Databases and Other Tools:** MongoDB, AWS, SQL, Firebase, REST API, Git/ GitHub, Linux, VS Code

**Subjects and Familiar Technologies:** DSA, OS, DBMS, OOPS, TypeScript, Python

## Achievement / Extracurricular

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- Solved 700+ problems on Leetcode. Solved 1000+ DSA problems in overall platforms. (Link)
- Successfully completed #365DaysOfCode coding challenge in 2022. (Link)
- Mentored 200+ students in 30-day-long C/C++ and DSA class Programming 101 organized by the Coding Society.
- Mentored C++, JavaScript and GitHub to 100++ students in a 7-day session 7DevDays organized by the IEEE SB.

## Leadership

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### IEEE Student Branch

Aug 2022 – Dec 2023

Chair

- Demonstrating strong leadership skills by effectively managing and delegating tasks to ensure smooth event execution.
- Coordinated and hosted over 15 events for a large student audience of over 10,000 individuals across India.
- Received the title of best performing IEEE Student Branch of Kolkata Region with funding of \$208.