

PRATIK SONI

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Education

Indian Institute of Technology (BHU), Varanasi

2019 - 2024

Integrated Dual Degree (B.tech + M.tech)

8.02/10 CGPA

Work Experience

Biztime

May 2023 – July 2023

Software Developer Intern

Remote

- Implemented a robust REST API for a login and authentication module using Node.js, Express.js, and MongoDB. This API facilitated secure user access and management within the project.
- Further enhanced security by integrating Google Sign-in via OAuth, streamlining user authentication and leveraging the trusted ecosystem of Google for third-party authorization

Projects

VlogVista

[Source Code](#)

- Developed a RESTful video sharing web application, which supports 30+ API endpoints for uploading/fetching videos, commenting, liking, creating/updating playlists, user authentication/authorization, etc.
- Used **Node.js** with **Express.js** for backend, **Multer** for file handling, **Cloudinary** for file storage, **JWT** and **bcrypt** for secure user authentication and authorization.
- Used **MongoDB** and **Mongoose** models to create and manage database. Utilized MongoDB **Aggregation pipelines** for complex data extraction and **Pagination** for improving performance and user experience.

Ecommerce Product Images Extension

[Source Code](#)

- Developed a browser extension in **JavaScript** using **Chrome API** to extract and download high-quality images from **Amazon** and **Flipkart** product pages.
- Applied advanced DOM manipulation techniques to efficiently retrieve these Images since these are fetched dynamically by the websites, only when a user hovers over these images.
- Implemented **asynchronous** programming methods, including **promises** and **timers**, to effectively manage variable image loading times, optimizing the extension's performance.

Nested Comments Utility Feature

[Source Code](#)

- Implemented nested comments utility feature where logged in users can add, edit and reply to comments of fellow users.
- Used **React.js** and TailwindCSS to build frontend and **Node.js** and **Express.js** to build the backend.
- Implemented **Depth First Traversal Graph algorithm** to get comments from **MongoDB Atlas** database and render in nested manner.

Technical Skills

Languages: C++, JavaScript, Python

Backend: Node.js, Express.js, Mongoose, SQL

Frontend: React, Redux, TailwindCSS, HTML, CSS, jQuery

Clouds & Databases: MongoDB, PostgreSQL

Developer Tools: Postman, VS Code, GitHub

Fundamentals: Data Structure & Algorithms, Object Oriented Programming, System Design

Honours and Awards

Legacy JavaScript Algorithms and Data Structures from freeCodeCamp

[Certificate](#)

- Skills: JavaScript(ES6), RegEx, Functional programming, OOPs, Data structures & Algorithms, Debugging

Certified Frontend Developer(React) by HackerRank

[Certificate](#)

- Skills: React.js, Javascript, CSS

Certified in following skills by HackerRank

[Profile](#)

- Skills: Problem Solving, JavaScript, React

Algorithmic Competitions/Achievements

- Rated **Expert** on Codeforces with [Rating 1615](#).
- Awarded as **Guardian** on Leetcode with [Rating 2219 \(Top 0.99% Globally\)](#).
- Solved **2000+** **DSA** problems across different coding platforms.
- Ranked **27th** among IIT BHU programmers on GeeksForGeeks.