

Aihab Umair

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Self-motivated fresher with a flair for creating elegant solutions using code | **15+** Dev Projects | **1000+** DSA Questions

Education

B-Tech, Chemical Engineering, IIT (BHU), Varanasi (2019 - 2023)

GPA: 9.32, Top 10%

CBSE (XII), GVN: The Global School, Bhopal (2019)

Grade: 96.00%, School Rank 1

CBSE (X), Bal Bhavan School, Bhopal (2017)

GPA: 10.00, Mathematics Topper

Skills

Programming Languages: C++, JavaScript (ES6+), HTML, CSS, Sass/SCSS. Basic knowledge of SQL

Tools and Technologies: React.js, Redux, Git, OOPs, OS, DBMS, RDBMS. Basic knowledge of Node.js, MongoDB

Work Experience

Product Development Intern (Software) at Cuvette Tech

Dec 2021 - Feb 2022, May 2022 - Jul 2022

A start-up to connect companies with verified software developers, full-time or part-time

- Developed **agile-efficient** solutions improving the website's **performance by ~160%** using **react fragments**, **lazy loading**, **CDN image hosting**, **debouncing**, and **memoization techniques** (based on Google Lighthouse)
- Achieved **90+ SEO score** using relevant meta tags and developed **responsive interfaces** and various internship post analytics features using the **MERN stack**, increasing the **website traffic by approx. 100%** (~7K users/day)
- Shipped **10000+** lines of code, fixed **100+ bugs**, and updated the site throughout the production lifecycle
- Published and maintained an open-source package - **cuvette-text-editor** - at NPM with **200+ downloads**
- Built an efficient **LinkedIn scraper** as a side-project using the basics of **Python**, **Selenium**, and **BeautifulSoup**

Projects

Football Dimes | Football-themed Social Media Website

Aug 2021 - Sep 2021

- Developed a **RESTful** social media website using the **MERN tech stack** with fully functional **CRUD** functionality
- Programmed features for posting, editing, commenting, liking and suggesting football posts based on hashtags
- Researched major **public APIs** and integrated them to fetch relevant data and news from specific blog keywords
- Used MongoDB and Mongoose to define the schema objects and database models [Deployed Link](#) | [Source Code](#)

Your Donna | Multipurpose Website integrated with a Voice Assistant

May 2021 - Jul 2021

- Remodelled **5+ previous self-projects** like the Weather detection app, News aggregator app, Bitcoin Information app, and Sudoku Solver app and compiled them into an extensive application with **voice assistant support**
- Implemented a **backtracking algorithm** and wrote clean **object-oriented code** to solve the sudoku board
- Used React.js, JavaScript, Alan AI, and Postman to test and develop all the features [Deployed Link](#) | [Source Code](#)

Peekaabook | Book Reviewing Web Application

Jul 2020 - Aug 2020

- Created a book reviewing social platform for discussing books, providing ratings, and maintaining a reading list
- Researched on **DBMS features**, **SQL queries**, **entity relations**, and **foreign keys** to design the database schema
- Used **Flask**, **Python**, and **PostgreSQL** to create the **REST API** and perform efficient queries on the database
- Utilized **HTML**, **CSS**, and Google Books API to populate information on the frontend [Deployed Link](#) | [Source Code](#)

Position of Responsibility

Technical Head, Jagriti 2022 | IIT BHU's Annual Social Awareness Festival

Mar 2022 - Apr 2022

- Served as the tech-head of IIT BHU's largest social service fest, seeing participation from **1000+** college students
- Managed a **technical team of 5** and coordinated with other units to ensure timely updates and smooth functioning of technical operations. Assisted in developing the **event's official website** and provided regular progress updates

Honours and Achievements

Coding Profiles: [Leetcode](#) (900+ Questions) | [Geeksforgeeks](#) (300+ Questions) | [Codechef](#) (Max Rating 1703)

- Attained a **rank of 109 out of 10000+** participants (**Top 1%**) in May CodeChef Starters 2021 programming contest
- Achieved a **rank of 81 out of 700+** teams in **Kaizen 2020** coding competition by Zenith, IIIT Hyderabad (Team of 2)
- Led a **team of 5** and placed **3rd** in **Goldberg's Alley**, an extreme engineering event held at **Technex 2020**, IIT BHU

Extracurricular Activities

- Suggested relevant solutions to calculus-related queries on Chegg, a platform with 6 million+ active students
- Designed a semi-autonomous robot using Arduino that could move along a defined path in Robota 2019, IIT BHU