Aditya Lahane

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B.Tech : Electrical Engineering

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Indian Institute of Technology, Indore

LinkedIn | GitHub

Portfolio

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech EE	Indian Institute of Technology Indore	8.40(Current)	2021-Present
Senior Secondary	Rajarshi Shahu Junior College, Latur/Maharashtra Board	96.17%	2021
Secondary	Shree Keshavraj Vidyalaya, Latur/Maharashtra Board	97.20%	2019

EXPERIENCE

- **GirlScript Summer Of Code - 2023 (GSSoC'23)** *May 2023-August 2023*
  OpenSource program by GirlScript Foundation GitHub
  – Contributed to several organizations' Web Development projects through this open-source contribution program.
  – Raised some fresh issues and resolved them, also fixed some existing bugs on their websites, through the GitHub platform.
  – Oraganizations in which I've contributed - OS Code Community, Animating-Buttons, etc.

PROJECTS

- **Memoir Application** *May 2023 - June 2023*
  A Full Stack Web Development Project with CRUD operations. GitHub | Demo
  – Tech Stack: Utilized MongoDB as the database to store and retrieve blog posts, Express.js for building the backend API, React.js for creating interactive user interfaces, Node.js for server-side development, Postman for testing APIs, and GitHub.
  – Implemented the hashing and salting technique to strengthen password security and store user passwords securely.
  – Developed functionality to allow registered users to create, edit, and delete blog posts while providing a seamless browsing experience for anonymous visitors.

- **API Magic** *November 2022 - December 2022*
  Web App with a collection of projects utilizing various APIs. GitHub | Demo
  – Tech Stack: HTML, CSS & Bootstrap for designing the user interface, and JavaScript to handle user inputs, make API requests, and dynamically display the retrieved data, Node.js, Express.js, GitHub.
  – This project integrates 4 APIs: NewsAPI, Mailchimp API, OpenWeatherMap API, and Pexels API.
  – Utilized various APIs to enrich project functionalities and provide real-time data and services.

- **Sorting Algorithm Visualiser** *May 2023*
  Web App for sorting algorithm visualization. GitHub | Demo
  – Tech Stack: HTML for structuring, CSS and Bootstrap for styling, and JavaScript for interactive functionality.
  – Implemented popular sorting algorithms such as Bubble Sort, Insertion Sort, Selection Sort, Merge Sort, Quick Sort, etc.
  – Web application for visualizing a bunch of different sorting algorithms allowing users to select the algorithm, adjust array size, and control the visualization speed.

TECHNICAL SKILLS

- **Programming**: C++, DSA, Javascript, Competitive Programming.
- **Tools/Frameworks**: HTML, CSS, Bootstrap, JQuery, React, Node.js, Express.js, MongoDB, MySQL, Mongoose, Git/GitHub, Android Studio, Jetpack Compose, Visual Studio Code.
- **Other Skills**: Problem-Solving, Teamwork, Time Management, Photography.

KEY COURSES TAKEN

- **Computer Science**: Computer Programming, Data Structures and Algorithms, Object Oriented Programming, DBMS.
- **Electrical and Electronics**: Electronic Devices, Analog Circuits, Digital Systems, Signals & Systems.
- **Web Development**: MERN Stack - Udemy Course: Professional Certificate - Link
- **Mathematics**: Linear Algebra, Basic Calculus, Complex Analysis & Differential Equations, Numerical Methods.

POSITIONS OF RESPONSIBILITY

- **Head of Web Development**, Academic Council, IIT INDORE. *May 2023 - Present*
- **Member, App Development**, Developer Students Club (DSC), IIT INDORE. *May 2023 - Present*
- **Member**, Electronics Club, IIT INDORE. *May 2023 - Present*
- **Core Member**, MysticHues, Photography Club IIT INDORE. *January 2022 - Present*

ACHIEVEMENTS

- **Institute Rank 63**, Rank 63 in DSA question solving among 1600+ registered geeks on GFG platform. *Link*
- **Top 100**, Secured position in top 100 out of 1500+ participants in leaderboard of GSSoC'23 (Current). *May 2023 Link*
- **Rank 34**, Secured global rank 34 out of 3400+ participants in CodeChef contest. *18 January 2023 Link*
- **Rank 192**, Secured global rank 192 out of 14850+ participants in CodeChef contest. *24 August 2022 Link*
- **State Rank 3**, Secured 3rd rank in NT-D category (275-Overall) in MHT-CET among 2 lakh+ students. *2020 - 2021*
- **JEE Advanced**, Secured 8780 CRL among 140000+ candidates. *2020 - 2021*