Aditya Jagdale

3rd Year Undergraduate
Department of Computer Science and Engineering

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Academic Qualifications

Year	Degree/Certificate	Institute	CPI/%
2022 - Present	B.Tech	Indian Institute of Technology, Kanpur	7.3/10
2022	HSC(XII)	Brilliant Academy Junior College of Science, Karad	86.67%
2020	CBSE(X)	Jawahar Navodaya Vidyalaya, Palus	94.2%

Key Projects

- **Elysium : Course Project CS253** *(Jan'24-April'24)*
  - Implemented an integrated platform to streamline **sports facilities booking** and **counseling sessions**.
  - Utilized cutting-edge technologies including **ReactJS, HTML, CSS & JavaScript** to develop a responsive UI.
  - Used **NodeJS** for backend , **ExpressJS** for routing APIs and **MongoDB** for Database management.
  - Conducted **Alpha** and **Beta** testing, improved the codebase based on feedback from batchmates and professor.
  - Worked and brainstormed with a team of 10 batchmates ensuring smooth co-ordination to create an innovative web-app.
- **Bio-Soc Project: CodeCraft Summer Project** *(June'24- Ongoing)*
  - Utilized C++ for all DSA implementations. Mastered C++ Standard Template Library (**STL**).
  - Explored and implemented various DSA topics such as recursion, hashing, backtracking, trees, graphs, DP, BST, and stacks.
  - Developed web applications using **HTML, CSS**, and **JavaScript**. Employed **Axios** for data fetching and hosted on Netlify.
  - Built dynamic UI with **React**. Styled them using **Tailwind CSS**, and used **Zustand** for state management.
- **Predicting Education Levels of State Election Winners:Course Project CS253** *(June'24- July '24)*
  - Imported and organized data , and categorizing data for analysis using Python libraries such as pandas and numpy.
  - Implemented a Random Forest classifier, optimized hyperparameters with GridSearchCV, and evaluated model performance.
  - Applied the trained model to the test dataset, predicted educational categories, ensuring compliance with all requirements.
- **GDSC Project: Web Dev Basics and Applications** *(Dec'23- Jan '24)*
  - Designed a simple website using **HTML** and **CSS**. Successfully hosted the website on GitHub.
  - Designed responsive animated Portfolio website with **React** and **Framer Motion** and and integrated React with Firebase for comprehensive web application functionality, including authentication, database management, and hosting.
  - Built a website to run interactive Simon game using jQuery, DOM and Bootstrap.

Technical Skills

- **Programming Languages:** C, C++, HTML, CSS, JavaScript, LaTeX, SQL,Bash/Shell Scripting.
- **Software and Libraries:** Express.js, Bootstrap,Tailwind, DOM, EJS, Git, jQuery .

Positions of Responsibility

- **Secretary, Techkriti** *(July'23- March '24)*
  - As a secretary in Technocruise vertical of Techkriti, approached several colleges for arranging Technocruise workshops.
  - Facilitated coordination with mentors in various cities to ensure the successful execution of Techkriti 2023 workshops.
  - Organized and managed nationwide workshops, overseeing participant invitations and event logistics.

Relevant Courses

Data Structure and Algorithms	Discrete Mathematics
Fundamentals of Computing	Linear algebra and Differential Equations
Introduction to Electronics	Full Stack Web Development (Udemy) (*ongoing*)
Introduction to Management	Logic for Computer Science
Computer Organisation	Probability for Computer Science
Software Development and Operations	

Extra-Curricular Activities

- Achieved 1st place in the 600-meter race and 2nd place in the 800-meter race in the inter-school athletics competition.
- Part of the runner-up football team in the 2018-19 intra-school competition.
- Secure 1nd Place in Junior Category Recitation Competition in school. Demonstrated strong writing and critical thinking abilities.
- Secured 1st position in the High Jump competition during the 2017-18 intra-school event.
- Contributed to the runner-up position of the athletics team in an inter-school sports event.