



Aditya Pillai

Roll No.: CS22B1063

B.Tech. (Hons.) in Computer Science and Engineering

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. (Hons.) CSE	Indian Institute of Information Technology, Design and Manufacturing Kancheepuram	9.2	2022-2026
Senior Secondary	CBSE Board	94.8%	2021
High School	CBSE Board	95.2%	2019

EXPERIENCE

- Intern at Indian Council of Agricultural Research** June 2024 - August 2024
Web Development, NLP, Machine Learning [Certificate](#)
 - Developed a chatbot by fine-tuning a BERT model from the Transformers library using Python, showcasing advanced machine learning and natural language processing skills.
 - Created and curated a custom dataset for fine-tuning the model, demonstrating data preparation and expertise
 - Integrated the fine-tuned model into a server to handle requests and serve responses via an API, enabling seamless interaction for users.

PROJECTS

- Personal Portfolio** Jan. 2024 - May. 2024
Web Development [Website](#)
 - Developed and launched a personal portfolio website to showcase my skills, projects, achievements and ideas
 - Utilized HTML, CSS, NodeJS, Express and React to design and docker to generate an image which was deployed on Render.
- Club Management and Student Achievement Tracking System (CMSATS)** April. 2024 - May. 2024
Web Development [Github](#)
 - Created a Full Stack Application using HTML, CSS, and JS for the frontend, showcasing web development skills.
 - Developed backend functionalities using PHP, managing user interactions and server-side logic.
 - Integrated a database system to store and manage records of users, events, projects, leads, and members.
 - Implemented secure login and authentication mechanisms to ensure user data protection.
 - Integrated role-based access control to manage permissions and access levels for different types of users.
 - Integrated automated mailing system for notifications and updates, streamlining communication with users.
 - Developed and integrated automated certification generation feature.
- Virtual Lawyer** Oct. 2024 - Nov. 2024
Data Collection/Preprocessing, LLM Training [Project Link](#)
 - Developing an Application by collecting and preprocessing legal data using web scraping techniques.
 - Data preprocessing techniques such as tokenization, data cleaning, and transformation.
 - Trained a large language model (LLM) to analyze legal questions and provide suggestions based on user inputs.
 - Fine-tuned the model to ensure high-quality responses and adaptability to various legal scenarios.
- Real-Time Chat Application** Oct. 2024 - Nov. 2024
Web Development [Project Link](#)
 - Developing a real-time chat application using React for the front end and Node.js with Express for the back end.
 - Implementing Socket.io for real-time messaging capabilities, allowing users to send and receive messages instantly.
 - Integrating OAuth for user authentication.
 - Utilizing a database to store user information and chat histories, ensuring data persistence and retrieval.
 - Designed a responsive user interface that enhances user experience across different devices.

SKILLS

- Programming:** Python, C/C++, MySQL, JavaScript, PostgreSQL, MongoDB, Java* [Leetcode](#)
 - Web Development:** HTML, CSS, JavaScript, PHP, Flask, NodeJS, Express JS, EJS, React
 - Tools/Frameworks:** Autocad, RESTful, BeautifulSoup, Selenium, Pandas, Scikit-learn, Tensorflow, Docker
 - Operating Systems:** Windows, Linux
 - Non Technical:** Leadership, Problem Solving, Coordination, Critical Thinking, Creativity
- * Elementary proficiency

KEY COURSES TAKEN

- Computer Science:** PSP, DSA, DAA, OS, COA, System Design, DBMS, Data Science. Machine Learning
- Mathematics:** Linear Algebra, Calculus, Discrete Maths, Probability & Statistics