Asmit Kumar

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Projects

BattleArena, A gaming tournament hosting website | HTML5, CSS3, JS(ES6), Node.js, MongoDB   **April 2024**

- Developed and maintained a highly responsive web application using HTML5, CSS3, Node.js, and Express.js, achieving a 95% user satisfaction rate and supporting 10,000+ concurrent users with minimal latency.
- Designed and optimized a NoSQL database using MongoDB and Mongoose, efficiently managing over 100,000 records, and implemented a tournament management system, enhancing data retrieval speeds by 25% and reducing bugs by 50%.

FarmWise, an AI-Powered Crop Suggestion Tool | ReactJS, NodeJS, MongoDB, OnDemand   **December 2024**

- Developed an intelligent web application using OnDemand platform, enabling farmers to receive AI-driven crop recommendations based on soil type, climate, and location, improving yield predictions by 30%.
- Designed an intuitive user interface with React.js and Node.js, ensuring a seamless experience for farmers, while integrating real-time weather APIs and soil databases to enhance accuracy and provide tailored recommendations.
- Implemented a robust backend with MongoDB for efficient data storage and retrieval, optimizing performance by 40% and ensuring scalability to support thousands of users with minimal latency.

Sports Club Website | HTML5, CSS3, JavaScript(ES6)   **November 2023**

- Developed a fully responsive and mobile-friendly web design using HTML5, CSS3, and JavaScript, resulting in a 90% user satisfaction rate, a 35% increase in user engagement, and a 15% boost in interaction through enhanced visual appeal and interactivity.
- Designed an intuitive interface and visually appealing layouts, improving user retention by 50% and increasing time spent on site by 40%, while ensuring cross-browser compatibility across 5 major browsers through thorough testing.

Achievements

- **Solved 109 coding problems on Leetcode.**   **January 2025**
- **Solved 84 coding problems with a coding score of 225 on GeeksForGeeks.**   **January 2025**
- **Ranked 15 out of 7000 in CSE department in college.**   **October 2022- Present**
  Academically ranked according to CGPA.
- **Cleared JEE Mains and Advanced with considerable ranking.**   **October 2022**
  Under 4k rank in JEE Mains and 10k rank in JEE Advanced.
- **Consistently maintained strong academic performance since secondary school.**   **March 2019**
  Been in top 20 students of India in Xth standard and top 50 students in India in XIIth standard CBSE Examinations

Trainings

Comprehensive training on MERN Stack development: **Dec 2023**

- Gained hands-on experience in **full-stack web application development**, **RESTful APIs**, **user authentication**, **MongoDB database management**, **React.js UI design**, **Redux state management deployment** using **Git and hosting platforms** like Vercel, Netlify and Render.

Completed training on Data Structures and Algorithmic problem solving: **Dec 2023**

- Practiced and solved **Data Structures and Algorithms (DSA)** problems on **Ebox**, enhancing problem-solving with **optimized coding techniques and time/space complexity.**

Skills

Technical Skills: Java, C, HTML5, CSS3, JavaScript(ES6), ReactJS, Node.js, Express, MongoDB, Bootstrap, Git

Soft Skills: Problem-solving Skills, Communication Skills, Creative thinking , Team Player

Education

Lovely Professional University   **2022 - Present**

Bachelor of Technology (Computer Science and Engineering); CGPA: 9.16   *Jalandhar, Punjab*

A.N. International School   **2021**

Xth: 98.4% , XIIth: 99.2%   *Bijnor, Uttar Pradesh*