

GAGANDEEP SINGH

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LinkedIn | GitHub | Portfolio

EDUCATION

Bachelor of Computer Applications

(Sept 2021-Jun 2024)

Punjab College of Technical Education, Punjab, India | Overall CGPA: 9/10

Relevant Coursework: C, C++, Data Structures and Algorithms, Operating System, Java, Python, Web Technologies, Machine Learning, Cloud Computing, Computer Networks, Algorithm Design and Analysis, Languages and Compilers.

TECHNICAL SKILLS

Languages and Frameworks: HTML, CSS, Tailwind CSS, JavaScript, React JS, Redux, Node JS, Express JS, REST API, MongoDB, PostgreSQL, jQuery, Bootstrap, PHP, DBMS, JAVA, Python, C, C++.

Tools and Technologies: Microsoft SQL Server, Visual Studio Code, MongoDB Atlas, pgAdmin, XAMPP, phpMyAdmin, Apache NetBeans IDE, IDLE, Git.

PROJECTS

Cancer Detection System (AI assisted)

[Link](#) | Aug 2024

- Developed "BeatCancer," an AI-powered assistant for personalized cancer care using Next.js and Gemini API.
- Integrated AI for real-time patient data analysis and treatment planning.
- Utilized TypeScript for maintainable code and managed state with Context API.
- Ensured responsive design with Tailwind CSS and implemented authentication with Privy.
- Deployed the project for real-world testing and created a Kanban board for task management.

MERN Stack E-commerce Website

[Link](#) | March 2024

- Developed full-fledged e-commerce website using MERN stack.
- Integrated user authentication, product catalog, and shopping cart functionality.
- Implemented secure user registration and login system with JWT.
- Utilized MongoDB for efficient data management and scalability.
- Integrated payment gateway for secure online transactions.
- Created admin panel for efficient product management.
- Ensured code quality and maintainability following best practices.

Navbar Animation npm Package with GSAP (JavaScript, gsap, npm)

[Link](#) | Feb 2024

- Created a npm package for creating stunning navigation bars with captivating animations using GSAP.
- Implemented seamless integration with GSAP library for fluid animation effects.
- Successfully garnered over 1000 monthly downloads, showcasing widespread adoption within the developer community.
- Provided comprehensive documentation and examples for easy implementation by developers.
- Ensured compatibility with modern web development frameworks and libraries.

Dictionary Application with External API Integration (HTML, CSS, JavaScript)

[Link](#) | Jan 2024

- Developed a dynamic dictionary app allowing users to search for word meanings, synonyms, antonyms, and more.
- Integrated the app with the (<https://dictionaryapi.dev/>) to retrieve real-time data.
- Implemented features to display word definitions, synonyms, antonyms, examples, and the pronunciation audio.
- Designed an intuitive user interface using HTML, CSS, and JavaScript for an optimal user experience.

AWARDS

- **Certificate of Merit** for getting first position consecutively in 1st, 2nd and 3rd year of college.
- **NSP scholarship** for getting 90% above in the 12th class.
- **IIT Bombay Campus Ambassador.**
- **First Place** in the "CODE WITH US" Coding Contest organized by Coding Ninja, May 2024. Competed against participants from various colleges.
- **Open Source Contributor** at GirlScript Summer of Code (GGSoc) – Contributed to various projects.