

PARICHAY DUTTA BISWAS

MERN stack developer

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PROFESSIONAL SUMMARY

As a web developer specializing in the MERN stack, I have a solid background in building responsive and dynamic web applications. My expertise lies in creating full-stack solutions, from designing intuitive front-end interfaces with React.js to developing robust back-end systems with Node.js. With experience in various projects, I am also a java programmer with problem solving skills. I am passionate about delivering high-quality, scalable solutions. I am eager to contribute my skills to innovative teams and build impactful digital experiences.

CORE COMPETENCIES

- Problem Solving.
- Web development.
- Cloud services
- Backend Development
- UI/UX
- Database management.
- Active learning.

TECHNICAL SKILLS

- **Programming Languages:** Java, Python
- **Frontend:** HTML, CSS, JavaScript, React.js
- **Backend:** Node.js, Express.js
- **Data Management:** SQL, MongoDB
- **Cloud Platforms:** AWS
- **Tools & Platforms:** Docker, GitHub
- **Version Control:** Git
- **Machine Learning:** Applied Machine Learning Algorithms

PROFESSIONAL EXPERIENCE

Junior Software Engineer | Viral Me

Dublin, Ireland (Remote) / June 2023 - Present

- contribute to the development and maintenance of scalable web applications, focusing on both frontend and backend technologies.
- designing and implementing full stack solutions using **Java**, modern **JavaScript** frameworks like **React.js** and **Node.js**.
- deployment pipelines using **Docker**, which has enhanced our continuous integration and delivery processes.
- **Outcomes:** Enhanced Application Performance, Streamlined **Development Processes**, Improved Team Collaboration, Increased Cloud Efficiency, Continuous Integration and Delivery (**CI/CD**) Optimization.

PROJECTS

Netflix UI Clone (2021)

- **Challenge:** Replicate Netflix's complex and dynamic user interface using only HTML and CSS.
- **Approach:** Analyzed the original Netflix UI, breaking it down into individual components, and carefully recreated each using semantic HTML and responsive CSS.
- **Technologies Used:** HTML, CSS, Chrome DevTools for design inspection.
- **Outcomes:** Delivered a pixel-perfect Netflix UI clone, enhancing CSS skills in layout, flexbox, and media queries.

Spotify UI Clone (2021)

- **Challenge:** Recreate Spotify's interactive and responsive user interface using HTML, CSS, and JavaScript.
- **Approach:** Decomposed Spotify's UI into modular components, implemented interactive elements using JavaScript, and ensured responsiveness across devices.
- **Technologies Used:** HTML, CSS, JavaScript, Chrome DevTools for debugging and design refinement.
- **Outcomes:** Achieved a functional Spotify UI clone with interactive features, improving proficiency in JavaScript for dynamic UI development.

AI enabled human's brain controlled prosthetic arm (Final year academic project, 2023)

- **Challenge:** Design an AI-enabled prosthetic arm capable of interpreting and responding to neural signals.
- **Approach:** Implemented AI algorithms in Python to analyze EEG signals and control the prosthetic arm's movements based on user intent.
- **Technologies Used:** Python, AI libraries (e.g., TensorFlow or PyTorch), EEG signal processing tools.
- **Outcomes:** Developed a functional AI-driven prosthetic arm with accurate signal interpretation, demonstrating advanced capabilities in machine learning and neural interfaces.

Book store App (Present)

- **Challenge:** Develop a full-stack book store application with CRUD operations and user authentication.
- **Approach:** Utilizing MongoDB for database management, Express.js and Node.js for server-side logic, and React.js for building a responsive and dynamic front-end.
- **Technologies Used:** MERN
- **Outcomes:** Yet to be achieved.

EDUCATION

B.E. in Electrical & Electronics Engineering

SJB Institute of Technology / May 2023

Activities and societies: Coding Club, Tech Innovation Club, IEEE Student Chapter, Robotics Club, IoT projects, Workshops on cloud computing and microservices

12th Boards

Jalpaiguri Higher Secondary School / April 2019

Activities and societies: Tech Club, Science Club

10th Boards

Jalpaiguri Zilla School / February 2017

Activities and societies: Debate Team, Chess Club, Music Club.

CERTIFICATIONS

- DSA with Java (Hackerrank)
- SQL Basics (Hackerrank)
- AWS Cloud Practitioner (Udemy)
- Python crash course by Google (Coursera)
- Deep Neural Network with PyTorch(IBM)