Sourav Mukhopadhyay

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Internship

Full stack Developer Intern   Feb 2024 - March 2024
Rinex

- **Developed dynamic UI components** to enhance the application's usability and performance.
- **Optimized backend performance** by structuring API endpoints efficiently in **Express.js**, reducing response time.
- **Implemented form validation and authentication** to ensure data integrity and secure user access.
- **Integrated MongoDB for data storage**, enabling seamless CRUD operations.

Cyber Security Intern   July 2023 – Dec 2023
Acmagrade

- **Performed security assessments** to identify and mitigate vulnerabilities in web applications.
- **Executed penetration testing** and **simulated brute-force attacks** to evaluate system defenses.
- **Conducted SQL Injection testing** to prevent database exploitation and unauthorized access

CAD Design Intern   Nov 2022 – Dec 2022
Brahmastra Aerospace

- **Designed aircraft structures with a focus on aerodynamic efficiency, stability, and performance.**.
- **Worked on structural integrity assessment, ensuring optimized material selection and weight efficiency.**.
- Worked on **AVD Final Answer**, gaining hands-on experience in **software applications and core aerospace concepts**.

Projects

School Management System:/ *Responsive Web Design*   July 2024 - Present

- A **user-friendly academy management system** with **role-based access** for **Admins, Staff, and Users**..
- Designed to streamline **attendance tracking, real-time announcements, and student performance updates**.
- Implemented **secure Email-OTP-based authentication** for user verification.
- **Tech Stack:** HTML, CSS, JavaScript, Bootstrap, Express.js, MongoDB

Tennis Academy Management System:/ *Responsive Web Design*   July 2024 – Dec 2024

- A **user-friendly Tennis academy management system** with **role-based access** for **Admins, Staff, and Players**..
- Designed to streamline **attendance tracking, real-time announcements, performance updates, Daily task**.
- Implemented **secure Email-OTP-based authentication** for user verification and Notification for **new Tournaments**.
- **Tech Stack:** HTML, CSS, JavaScript, Bootstrap, Express.js, MongoDB

Hotel Management System *Responsive Web Design*   Aug 2024 - Oct 2024

- Developing a **comprehensive hotel management system** with **role-based access** for **Admins, Staff, and Users**..
- Features include OTP-verified login, booking management, staff administration, and check-in/check-out functionalities.
- **Tech Stack:** HTML, CSS, JavaScript, Bootstrap, Express.js, MongoDB

Parking Management System:/ *MERN Web Application*   July 2022 - Aug 2022

- Built a **barcode-powered smart parking system** to facilitate **seamless vehicle tracking and automated space allocation**
- Enhanced **user experience by automating entry, exit, and fee calculation processes**..
- **Tech Stack:** React.js, Express.js, MongoDB

SPARKLUME ART:/ *Fullstack Web Design*   May 2024 – July 2024

- Developed an **e-commerce platform for handcrafted paintings**, enabling users to **browse, purchase, and manage orders effortlessly**.
- Designed a **visually appealing and user-friendly interface** to enhance the shopping experience.
- **Tech Stack:** HTML, CSS, JavaScript, PHP, MySQL

Certificates

Building Web Applications in PHP   Oct 2024 – Nov 2024
Cousera - hcoursera.org/verify/HTPNUDD8PGE8

IBM DevOps and Software Engineering   **Aug 2024 - Nov 2024**
Coursera — https://coursera.org/verify/profession al-cert/68I8CEHC3FW

Implementation Of Human Computer Interface   **July 2024 - Oct 2024**
NPTEL

Logic Building, Programming and Data Structures: Learn How to Think, & Program **Jun 2024 - July 2024**
LPU

Server side JavaScript with Node.js   **Mar 2024 - Apr 2024**
Coursera - https://coursera.org/verify/GQJX2CMXAS23

HTML, CSS, and Javascript for Web Developers   **Mar 2024 – Apr 2024**
Coursera —coursera.org/verify/WYP8TJ9HTHQJ.

Programming in C++: A Hands-on Introduction   **Oct 2023 – Dec 2023**
Coursera — https://coursera.org/verify/specialization/SFDPURY8UYZP

Technical Skills

Languages Python ,C++,Java, JavaScript, C, PHP, HTML and CSS,

Technologies/Frameworks: Bootstrap, ReactJS, Express JS, Node JS, Git, GitHub, Ubuntu ,Kali, Maven

Skills: Data Structures and Algorithms, Problem-Solving, Responsive Web Design, Scripting in JavaScript

Education

Lovely Professional University Punjab   **Since 2022**
Computer Science and Engineering — CGPA: 7.2   *Jalandhar, Punjab*

Jagadalla Gorabari M.G.S Vidyalaya   **2018 – 2020**
12th with Science — Percentage: 91%   *Bankura , Westbengal*

Jagadalla Gorabari M.G.S Vidyalaya   **2016 – 2018**
10th with Science — Percentage: 90%   *Bankura , Westbengal*