



EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2025	M.SC(5YR)	IIT Kharagpur	7.18 / 10
2019	Class-XII (RBSE)	Rajat Vidhyapeeth Sr Sec Sch, Jat Colony, Sikar	80.40%
2017	Class-X (RBSC)	Govt Prakash Sec Sch, Ratangarh	93.33%

INTERNSHIPS

Front-end Engineer SyncMOF	[May'24 - July'24]
<ul style="list-style-type: none">- Led front-end of the Black Box project using ReactJS and Tailwind CSS, ensured scalable UI and streamlined deployments with CI/CD and AWS Amplify.- Architected a robust UI/UX and wireframe for a platform with Figma and leveraged AWS Amplify Auth and managed cloud resources with CloudWatch.- Optimized complex flows using React Flow to enhance efficiency and user experience and implemented AWS CloudTrain for workflow and management.- Collaborated on scalable architecture with Docker and AWS, including Elastic Beanstalk and Amplify and used AWS CloudWatch to improve system.	
Full-stack Developer Darzee	[Oct'23-Feb'24]
<ul style="list-style-type: none">- Developed and optimized Java Spring Boot APIs at Darzee, ensuring high performance and scalability with PostgreSQL and microservices integration.- Implemented multi-outfit, multilingual features in the Darzee Flutter app using Dart, enhancing performance and UX, leading to gain 20% retention boost.- Developed and maintained robust backend systems using Java Spring Boot and TRPC, utilizing AWS S3 for data storage and ensuring scalable solutions.- Created Python scripts, automated execution with Linux cron jobs, and fully integrated Firebase for advanced user management and OTP verification.	
Full-stack Developer Intern Noccarc Robotics	[May'23 - Sep'23]
<ul style="list-style-type: none">- Engineered a full-stack admin dashboard with ReactJS and Redux for V730i ventilator OTA updates and leveraged WebSocket for real-time updates.- Deployed backend on AWS EC2, using Node/Express and Multer for file uploads, and AWS SDK S3 for secure and scalable storage of system versions.- Implemented REST API and JWT authentication to ensure robust and secure communication between the admin dashboard and ventilator machines.- Engineered a CMS mobile app for patient monitoring with React Native and utilized WebSocket, Redux, and Kafka, and neatly implemented REST API.	
Full-stack Web Developer Hipplees	[Jan'23 - Mar'23]
<ul style="list-style-type: none">- Optimized the Visa Service Portal Website using PHP and MySQL, achieving a 10% boost in performance, 5% increase in accessibility, and 7% gain in SEO.- Led deployment via FileZilla and Apache, ensuring smooth integration and maintained comprehensive technical documentation for future enhancements.- Improved user experience by refining responsive design, updating the UI, and reducing load times by 15%, resulting in a more efficient and accessible site.	
Frontend Web Developer Leads4Needs	[June'22 - July'22]
<ul style="list-style-type: none">- Engineered responsive front-end for a business directory and job portal using Next.js and Tailwind CSS, enhancing user experience and performance.- Implemented JWT for secure authentication and developed 40+ reusable components with React.js and Next.js, ensuring code modularity and scalability.- Conducted testing and debugging for cross-browser compatibility and mobile responsiveness, ensuring a seamless user experience across various devices.	

WORK EXPERIENCES

Open-Source Contributor Kharagpur Winter of Code	[Nov'22 - Feb'23]
<ul style="list-style-type: none">- Collaborated with contributors on the development of the Global Weather web application, leveraging the tech stack of HTML, CSS, Pug, and JavaScript.- Made notable contributions to codebase by adding over 2.k+ lines of code, utilized Git/GitHub for version control, ensured code management and reviews.- Seamlessly integrated the Realtime OpenWeatherMap API to retrieve current weather data, utilizing Node.js/Express.js and asynchronous processing.	
Software Engineer Freelance	[May'2024 - Sep'2024]
<ul style="list-style-type: none">- Developed browser-based applications for the manufacturing sector startup using React.js, TypeScript, Material UI, and Jotai, enhancing user interfaces.- Implemented backend functionality with Prisma ORM and SQL, integrating PostgreSQL for robust data management and utilizing TRPC for API dev.- Utilized the Hoops library for 3D CAD visualization and optimization, with Docker for containerization and AWS for cloud, ensuring streamlined process.	

PROJECTS

E-Commerce Website Self-Project
<ul style="list-style-type: none">- Developed an e-commerce shopping cart application using React, Styled Components, and MongoDB, with response time of under 200 milisec.- Leveraged ReactJS, Redux, resulting in a 13% reduction in overall application size and a 30% improvements in rendering performance speed.- Used React Router Dom for navigation, enabling users to effortlessly transition between pages, an average page load time is less than 2 sec.
Authentication System Freelance Project
<ul style="list-style-type: none">- Designed and implemented a adaptable and reusable authentication system for website security, used ReactJS, TypeScript, and Material UI.- Integrated JSON Web Tokens (JWT) into the authentication system to ensure secure, encrypted communication between clients and backend APIs.
Real Time chat App Self-Project
<ul style="list-style-type: none">- Developed a real-time chat application utilizing Node.js, Express, and Socket.io on the backend, HTML, CSS, and JavaScript on front-end.- Integrated Firebase database for real-time data fetching and storage, ensuring seamless synchronization and efficient management of chats.

COURSEWORK INFORMATION

Computer Science & Mathematics: Programming & Data Structures* Advanded Calculus Probability & Statistics Partial Differential Equations File Organization and Database Systems* Economics: Econometric Analysis I* Econometric Analysis II* Financial Management

SKILLS AND EXPERTISE

Languages: C C++ PHP SQL Python HTML CSS JavaScript Frameworks: Node.js Next.js Nest.js WordPress Material-UI FastAPI Developer Tools: Git Github AWS VS Code Visual Studio Jira Agile Scrum Libraries: React.js React Native Redux pandas NumPy Matplotlib

POSITIONS OF RESPONSIBILITY

General Secretary - Social and Cultural Homi Jehangir Bhabha Hall of Residence	[Session 2022-23]
<ul style="list-style-type: none">- Represented over 160 boarders of HJB Hall of Residence at Gymkhana's Social & Cultural Subcommittee, Supporting the hall and its interests.- Managed the annual budget of over INR 1,8 Lakh for social and cultural activities at Homi Jehangir Bhabha Hall of Residence, IIT Kharagpur- Handled the logistics of 12 events in the Social Cultural Gymkhana Championship and 4 Open IIT competitions for the 2022-2023 session.- Ensured practice and participation of Hall boarders in Social & Cultural GC and organized multiple events and workshops like illumination.	