SOUMEN PORE

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Kolkata, West Bengal, India

EDUCATION

Gargi Memorial Institute of Technology (GMIT) — Kolkata, West Bengal
Bachelor of Technology in Electronics & Communication Engineering — *September 2024 – May 2028*
- Expected Graduation: 2028 | Current Focus: Software Development, Web Technologies, and System Design
- Relevant Coursework: Data Structures, Algorithms, Computer Networks, Digital Electronics

TECHNICAL SKILLS

Languages: JavaScript, HTML5, CSS3, Python, C/C++, SQL
Frontend Technologies: React.js, Responsive Web Design, Bootstrap, Tailwind CSS, Material-UI
Backend Technologies: Node.js, Express.js, RESTful APIs, JWT Authentication
Databases: MongoDB, MySQL, Firebase
Tools & Platforms: Git, GitHub, VS Code, Postman, Netlify, Vercel, npm, Figma
Core Competencies: Full-Stack Development, Agile Methodologies, Problem Solving, System Design

PROJECTS

E-Commerce Web Application | *React.js, Node.js, Express, MongoDB, Stripe API*
- Developed a full-stack e-commerce platform with user authentication, product catalog, shopping cart, and payment integration serving 500+ test users
- Implemented responsive design ensuring 95%+ mobile compatibility and optimized page load time to under 2 seconds
- Designed RESTful APIs with JWT-based authentication and role-based access control for admin and user panels
- Integrated Stripe payment gateway for secure transactions and automated email notifications using SendGrid

Real-Time Chat Application | *Node.js, Socket.io, React.js, MongoDB*
- Built a real-time messaging application supporting group chats, private messaging, and file sharing capabilities
- Utilized WebSocket protocol (Socket.io) to enable bi-directional communication with 99.9% uptime
- Implemented message encryption and user presence detection with typing indicators for enhanced UX
- Deployed on AWS EC2 with MongoDB Atlas, handling 100+ concurrent connections efficiently

Task Management Dashboard | *React.js, Redux, Firebase, Material-UI*
- Created a productivity tool with drag-and-drop task organization, deadline tracking, and progress analytics
- Implemented state management using Redux Toolkit and Firebase Authentication for seamless user experience
- Added data visualization with Chart.js to display productivity metrics and task completion rates
- Achieved 40% faster rendering through React optimization techniques (memoization, lazy loading)

Portfolio Website | *React.js, JavaScript, CSS3, Netlify*
- Designed and developed a responsive personal portfolio showcasing projects with modern UI/UX principles
- Implemented smooth animations using Framer Motion and optimized SEO achieving 95+ Lighthouse score
- Integrated contact form with EmailJS for automated responses and deployed on Netlify with CI/CD pipeline

ACHIEVEMENTS & ACTIVITIES

CodeSpark – 72 Hour Build Challenge | TechWeek — 2024
Participant | Vibe Engineers
- Participated in intensive 72-hour hackathon, collaborating with cross-functional team to build working prototype
- Developed innovative solution under time constraints, demonstrating rapid prototyping and problem-solving skills

Google Developer Program — 2024
Active Member
- Engaged with Google's developer community, participating in workshops and staying current with latest technologies
- Contributing to open-source projects and exploring Google Cloud Platform, Firebase, and Android development

Leadership & Extracurricular

- Actively solve Data Structures and Algorithms problems on LeetCode, HackerRank, and CodeChef to strengthen problem-solving abilities

- Mentor junior students in web development fundamentals, conducting workshops on JavaScript and React.js

- Contribute to open-source projects on GitHub, focusing on web development and documentation improvements

- Regular attendee of tech meetups and webinars on cloud computing, AI/ML, and modern web frameworks