Durgeshwar Kumar Shaw

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Professional Summary

Aspiring Software Engineer with a strong foundation in computer science fundamentals including data structures, algorithms, and object-oriented programming. Experienced in building scalable full-stack applications using modern technologies (React, Node.js, MongoDB). Passionate about learning, building inclusive products, and contributing to real-world impact through collaborative engineering. Actively contributing to open-source and hackathons while constantly exploring new technologies. Passionate about building impactful products and contributing to Microsoft's mission to empower every person on the planet to achieve more.

Skills

Languages: JavaScript, TypeScript, Java, Python, HTML, CSS
Frameworks: React.js, Next.js, Node.js, Express.js
Tools: Git, GitHub, Postman, Linux, Vercel, MongoDB
Concepts: Data Structures, Algorithms, OOP, REST APIs, JWT, Responsive Design

Education

- B. Tech in Computer Science and Engineering
  Kalyani Government Engineering College | 2023 - 2027
- Secondary and Higher Secondary (ISCE and ISC)
  Kanchrapara English Medium School | 2018-2022

Work Experience

Web Development Intern – *OctaNet Services Ltd. | May 2024*
- Designed and developed websites using **HTML, CSS, and JavaScript** based on given tasks and requirements.
- Implemented responsive layouts and optimized website performance for better user experience.
- Independently solved problems and built functional web components as per project specifications.

Projects

MediCheck – Link
- Developed a smartwatch-integrated dashboard **to monitor vitals and generate AI-based health reports**.
- Implemented secure file handling, patient appointment booking, and medication alerts, improving patient workflow **efficiency by 50%.**
- Focused on **accessibility, modular design, and responsive UI** to align with healthcare usability needs.

Demo College Website – Link
- Independently designed and developed a **React-based frontend website** showcasing details about a demo college.
- Focused on **clean UI design, accessibility, and responsiveness** for an enhanced user experience.
- Leveraged **React.js and modern frontend technologies** to create an intuitive layout.

Extracurricular Activities

- **Open-Source Contributor** in **Apertre 2024, Social Summer of Code 2024, and GirlScript Summer of Code Extended 2024**, contributing to various projects and collaborating with developers worldwide.
- **Member of KeyGEnCoders**, the official coding club of KGEC, actively engaging in coding challenges, problem-solving, and peer learning.
- **Actively led a team** during the **HackHazards Hackathon**, overseeing project planning, task delegation, and implementation while ensuring collaboration, timely delivery, and innovation under tight deadlines.

Additional Qualifications

- Solid understanding of data structures, algorithms, and object-oriented design.
- Experience testing front-end features using browser testing tools and unit testing libraries.