

Deepak Baghel

SOFTWARE DEVELOPER

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Driven and innovative **Software Developer** with hands-on experience in crafting efficient algorithms, scalable applications, and full-stack solutions using **C, C++, Python, JavaScript**, and the **MERN stack**. Experienced in debugging complex issues, optimizing application performance, and delivering impactful software solutions.

Skills

C • C++ • Python • Javascript • React.js • Node.js • Express.js • MongoDB • MySQL • Restful APIs • Zustand • Redux • Context API • Socket.IO • WebSockets • JWT • Git / Github

Professional Experience

Aug 2023 – Jul 2024

Software Engineer Intern, *Bosch Global Software Technologies*

- Optimized software download processes by designing a Python script that reduced binary download times from **24** hours to **6** hours through **API modifications**.
- Engineered a Python-based automated tool to extract, analyze, and comment on JIRA tickets, decreasing analysis time from **4 hours** to **15 minutes**.
- Developed a responsive front-end application in React.js to dynamically display data generated by the Python automation tool.

Projects

CHATY 🔗

- Developed "Chaty," a real-time chat application that enables one-to-one messaging for **50+** users.
- Leveraged Socket.io for real-time text and image exchanges, supporting up to **10+** simultaneous conversations.
- Implemented secure user authentication and messaging features, ensuring smooth communication across **20+** unique chats.

E-COMMERCE WEB APP 🔗

- Built an e-commerce platform with **3** primary features: product browsing, cart management, and secure checkout for **50+** items.
- Created an admin dashboard to update inventory for **50+** products and track **20+** orders.

DOCTOR APPOINTMENT SYSTEM 🔗

- Designed a doctor appointment platform using the MERN stack, serving **3** distinct user roles with a seamless interface.
- Implemented JWT-based authentication and authorization, securing the platform with role-specific access for **1** admin dashboard and patient website to book appointment.
- Integrated **10+** functional modules to streamline workflows and improve efficiency for users.

PASSWORD MANAGER 🔗

- Built a password management platform allowing users to securely save, update, and delete up to **100+** passwords.

PC AUTOMATION FOR VISUALLY IMPAIRED PERSON

- Designed an assistive tool in Python with voice controlled capabilities, enabling visually impaired users to navigate applications effectively across **30+** core features.
- Integrated text-to-speech functionality, enhancing accessibility and supporting seamless interaction for **20+** computer applications.

Education

Aug 2019 – Aug 2024

M.Tech(Integrated) CSE, *Noida Institute of Engineering and Technology*
CGPA - 8.05

2016 – 2018

Vanasthali Public School
Class X - 89.3%
Class XII - 80%