Deepak Baghel

Software Developer

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Profile

Enthusiastic and highly motivated Software Developer with a solid foundation in full-stack development, algorithms, and real-time systems. Seeking to leverage hands-on project experience and internship exposure in a dynamic development environment. Passionate about building scalable applications and solving real-world problems using modern technologies.

Skills

Languages — C, C++, Python, JavaScript(ES6+), Java

Frontend — React.js, Redux, Context API, Zustand, Chakra UI, Tailwind CSS, Bootstrap

Backend — Node.js, Express.js, RESTful APIs, Socket.io

Database — MongoDB, MySQL

Dev Tools — Git, GitHub, Postman, VS Code

Authentication — JWT, Role-based Access

Others — Agile, Debugging, Problem Solving, Responsive Design

Professional Experience

Software Engineer Intern, Bosch Global Software Technologies

Aug 2023 - Jul 2024

- Developed and deployed a Python-based automation tool for parsing and analyzing JIRA logs, reducing manual effort by 75% (4 hours to 15 minutes).
- Streamlined binary file downloads from Bosch's internal servers using API enhancements, decreasing download times from 24 hours to 6 hours.
- Built a responsive static React.js interface to display analytics output.
- Applied Agile methodology with Git-based version control, enhancing development efficiency and team collaboration.

Projects

Chaty 12

- Real-time chat application using MERN stack + Socket.IO ☑
- Enabled secure one-to-one text and image messaging for 50+ users.
- Achieved real-time communication using WebSocket-based architecture.

Ecommerce Web App

- Full-stack application with product, cart, and order management.
- Built a complete user flow for browsing, adding to cart, and secure checkout.
- Admin panel supports CRUD operations on inventory and orders.

Doctor Appointment System

- Multi-role platform (Admin, Doctor, Patient) using MERN stack
- Implemented JWT-based access control and scheduling logic.

Pc Automation for visually impaired

- Python app for voice-controlled computer navigation.
- Integrated text-to-speech, voice commands, and accessibility tools.

Achievements

Project Selected for Government Patent Support (YUKTI Scheme)

PC Automation Tool for Visually Impaired was shortlisted under the **YUKTI National Innovation Repository** by the Government of India, marking it for **intellectual property support and patent filing assistance**.

Showcased at Bosch Global Efficient Day 2024

Invited to present the **ARTA (Automated Real-Time Analysis) Tool** at **BGSW's Efficient Day**, demonstrating impactful automation that reduced manual log analysis time by up to 90%.

Education

M.Tech(Integrated) C.S.E 80.5%,

Noida Institute of Engineering and Technology

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

Certificates

Programming for Everybody (Getting Started with Python) ☑

University of Michigan

Crash Course on Python ☑

Google

Python Data Structures 2

University of Michigan

Strengths & Highlights

- 200+ Leetcode problems solved | Strong in DSA and problem solving
- Adept at debugging, optimizing code, and reducing time complexity
- Clean code enthusiast | Follows modular and scalable coding practices

2019 - 2024

 Quick learner with a passion for backend engineering and system design