

Bharat Singh Parihar

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SUMMARY

Full-stack web developer with expertise in building high-performance applications using Remix, Go (Golang), React, and TypeScript. Strong backend skills in designing RESTful APIs, secure auth systems, and cloud-native services with PostgreSQL, Redis, Docker, and Kubernetes. Proven track record of deploying scalable web systems using CI/CD, GitHub Actions, and AWS/GCP. Experienced in leading cross-functional teams, participating in hackathons, and publishing impactful research. Passionate about building developer-centric tools and robust digital experiences.

EDUCATION

Symbiosis Institute of Technology
B.Tech.(Hons.) CSE Core Data Science

-Nagpur, India
CGPA: 7.65/10.00 (2026)

Kendriya Vidyalaya
SSC, PCM with Computer Science

- Dahi Chowki, Unnao
Percentage: 87.44% (2022)

SKILLS

Languages: JavaScript, TypeScript, Go (Golang), Python, HTML, CSS, SQL, Bash

Frontend Frameworks: Remix, React.js, Next.js, Tailwind CSS, ShadCN, Material UI, Bootstrap

Backend & API: Go (Gin, Echo), Node.js, Express.js, FastAPI, REST APIs, WebSockets, gRPC

DevOps & Infrastructure: Docker, Kubernetes, GitHub Actions, Nginx, CI/CD, Vercel, Netlify, Railway

Databases & Caching: PostgreSQL, MySQL, Redis, Firebase, MongoDB

Cloud Platforms: AWS (EC2, S3, Lambda), Google Cloud Platform (Firestore, Compute), Render, Supabase

Tools & Ecosystem: Git, GitHub, Figma, Postman, Webpack, Vite, VS Code, FFMPEG, Nginx, PM2

Software Engineering Practices: Agile, Microservices, Monorepos, Serverless Functions, Auth (OAuth2, JWT), Clean Architecture, TDD

Others: WordPress, SEO, Web3 Basics, Web Accessibility, API Integration, Low-Code/No-Code Tools

PROFESSIONAL EXPERIENCE

PGDAV College – University of Delhi | Summer Research Intern

May 2024 – July 2024

- Developed a CNN-based deep learning model for real vs. fake face distinction, achieving 95% accuracy.
- Integrated Multi-Criteria Decision-Making (MCDM) for enhanced decision precision.

Kodacy | Student Intern

Jan 2023 – Feb 2023

- Conducted simulations to guide robotic prototyping, improving efficiency by 15%.

PROJECTS

[GigX](#) | Next.js, Solidity, Hardhat, Docker, Web3

Jan 2025 – Mar 2025

- Developed a decentralized freelance marketplace with smart contract-based escrow and tokenized tasks using Ethereum.
- Dockerized the full-stack app and implemented CI/CD pipelines for seamless deployment.

[ChainFusion](#) | Next.js, AI Agents, Web3, Blockchain

Mar 2025 – May 2025

- Created an AI agent-driven Web3 assistant to automate wallet setup and smart contract interactions.
- Integrated blockchain APIs with Next.js UI for streamlined decentralized app onboarding.

[GlobalGive](#) | Ethereum, Smart Contracts, Web3, Solidity

Jul 2024 – Sep 2024

- Developed a decentralized crowdfunding platform with transparent donation tracking using Ethereum smart contracts.

[NeuroOCR](#) | TensorFlow.js, React, TypeScript, Tailwind CSS

Nov 2024 – Jan 2025

- Built a handwriting recognition tool with real-time inference using TensorFlow.js and React.

[HandTalk](#) | React, Node.js, WebRTC, MediaPipe, Python

Sep 2024 – Nov 2024

- Engineered a real-time ASL detection system for video calls with gesture-to-text translation.

[AquaTrace Software](#) | Figma, TypeScript, HTML/CSS, ReactJS, Webpack, Git, Firebase

Aug 2023 – Oct 2023

- Designed a real-time water quality dashboard with Firebase backend and OAuth-secured API integration.

ACHIEVEMENTS

AWARDS

- 1) 🏆 **Winner**, Web 3.0 Hackathon, BITS Pilani 2025
- 2) 🥈 **4th Place**, CyberHack Maha Hackathon 2025
- 3) 🏆 **Winner**, GDSC Hackathon 2023
- 4) 🥉 **3rd Place**, IEEE Research Hackathon 2023

PUBLICATIONS

- [1] B. S. Parihar, et al., **Integration of Computer Vision for Book Detection and Text-to-Speech Conversion**, IEEE ICISCT 2024, Kookmin University, Korea (SCOPUS)
- [2] B. S. Parihar, et al., **The Impact of Digitalization on Psychological Treatment**, IEEE ICISCT 2024, Kookmin University, Korea. (SCOPUS)
- [3] B. S. Parihar, et al., **Realtime Cryptojacking in Advanced mobile devices**, IEEE ICPCT 2025, Amity University, Noida, India. (SCOPUS)
- [4] B. S. Parihar, et al., **Revolutionizing Industry 4.0: Multi-Level Federated Learning for Dynamic Ecosystem** – (Book Chapter) 2025
- [5] B. S. Parihar, et al., **AI and Forecasting for Renewable Energy Generation** – (Book Chapter) 2025

CERTIFICATIONS

- Fundamental of Deep Learning ~NVIDIA
- Fundamental of Accelerated Computing with Cuda C ~NVIDIA
- Cloud Data Engineer ~Google
- Accelerating CUDA C applications with Multiple GPUs ~NVIDIA
- SQL (Basic, Intermediate, Advance) ~HackerRank
- SDE Intern ~HackerRank
- Machine Learning Specialization ~Stanford University
- Cloud Foundations and Cyber Security Foundations ~Amazon AWS
- Certified System Administrator ~ServiceNow
- Certified Application Developer ~ServiceNow

LEADERSHIP EXPERIENCE

Computer Society of India (CSI) Student Chapter

Chair

Dec 2024 – May 2025

SITNovate 24 Hours Hackathon

Organizer

19, 20 Feb 2025

Computer Society of India (CSI) Student Chapter

Founder Vice Chair

July 2024 - Nov 2024

IEEE Student Chapter

Core Member

Dec 2023 - Jun 2024

LANGUAGES

- 1) **English (Fluent)**
- 2) **Hindi (Native)**
- 3) **Spanish (Basic)**

REFERENCES

Dr. Sudhanshu Maurya

Associate Professor & Research Head, SIT Nagpur
Symbiosis International (Deemed University), Pune, India
dr.smaurya3feb@gmail.com

Prof. Dr. Geeta Aggarwal

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