

Abhishek Rai

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🌐 abhirai7.github.io/Portfolio-2025

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Summary

B.Tech Computer Science student (Graduating May 2026) with expertise in full-stack development, cloud computing, and AI-driven web applications. Skilled in C++, Python, JavaScript, and MERN stack. Passionate about cybersecurity, web scraping, and database optimization. Hands-on experience in AWS, Kubernetes, and DevOps practices.

Education

Galgotias University

B.Tech in Computer Science

GPA: 8.5/10

India

2022–2026

Vidya Mandir Public School

Senior School Certificate

89%

India

2020–2022

Vidya Mandir Public School

Secondary School Certificate

89.6%

India

2018–2020

Experience

Sofgen Computer Consultants

Front-end Developer Intern

Jul–Aug 2024

- Developed and automated database scripts in **Python**, reducing downtime by 30%.
- Optimized SQL queries through indexing, reducing execution time by 40%.

Steez Pvt Ltd.

Front-end Developer & Cloud Management

Aug–Oct 2024

- Optimized **React.js**-based UI, improving page load speed by 25%.
- Implemented **AWS S3** storage and **EC2** deployment, improving cloud efficiency.

Projects

Diabetes Checker 🤖: **Machine Learning-based web application** that predicts diabetes risk based on user input. Achieved **85% accuracy** using **Scikit-learn**, **Pandas**, and **NumPy**. Built with **Quart (Python)**, **SQLite**, **HTML**, and **Hypercorn**. Integrated an interactive UI and deployed on **AWS** for scalability.

Real-Time Chat App 🗨️: Secure real-time messaging platform using **Node.js**, **Socket.IO**, and **JWT authentication**. Reduced WebSocket latency by 40% through server optimizations. Ensured secure login with JWT encryption.

Technical Skills

Languages - C++, Python, JavaScript, Java

Databases - MySQL, MongoDB, SQLite

ML Tools - Scikit-learn, Pandas, NumPy

Web Dev - MERN Stack, HTML, CSS, Bootstrap, Express.js, React.js

Cloud - AWS (S3, EC2, Lambda), Docker, Kubernetes

Version Control - Git, GitHub

Certifications

2024: Cloud Security – **Palo Alto Networks**

2023: Web Development – **EduSkills**

2023: SQL – **Oracle Academy**