SHIVAM CHAWLA

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SKILLS

- **Programming Languages:** Java, C++, Python, JavaScript
- **Database:** MySQL, MongoDB
- **Frameworks :** React.js, Node.js
- **Development Tools:** Git, GitHub, PostMan, Microsoft Visual Studio
- **DevOps:** REST APIs, **CI/CD** (Jenkins), **Cloud Services** (AWS, Azure)
- **Project Management:** JIRA, Agile Methodologies
- **Operating System:** Windows, mac OS, LINUX
- **Productivity Tools:** Microsoft Excel, Powerpoint

EDUCATION

Guru Gobind Singh Indraprastha University, HMRITM — Delhi, India
Bachelor of Technology - Computer Science; Current GPA: 9.0 — *2021-2025*

Central Board Of Secondary Education, XII (PCM) — Delhi, India
Percentage: 87% — *2020-2021*

Central Board Of Secondary Education, X — Delhi, India
CGPA: 9.0 — *2018-2019*

EXPERIENCE

CSIR-NisCpr | Software Development Engineer Intern
Pusa, Delhi | July 2024 - September 2024

- Developed and tested dynamic web applications using the **MERN stack** (MongoDB, Express.js, React.js, Node.js).
- Created and consumed **RESTful APIs** to facilitate seamless communication between the front-end and back-end systems.
- Implemented **secure user authentication and authorization** using **JWT**.
- Collaborated in an **Agile development environment**, utilizing tools such as **JIRA** for task management and **GitHub** for version control.
- Conducted system testing and optimized application performance to ensure high availability and responsiveness.
- Leveraged **MongoDB** and **SQL** for efficient data management and storage solutions.

ACADEMIC PROJECTS

- **ShopSphere:** Built an e-commerce platform using the **MERN stack** (MongoDB, Express.js, React.js, Node.js), integrating **secure user authentication** with **JWT** and **RESTful APIs** for seamless communication. Added features like **product management**, **cart functionality**, and **secure payments**, optimizing user experience and scalability. Deployed on **cloud infrastructure**, adhering to **Agile methodologies** with **CI/CD pipelines** for efficient development.

- **Heart Disease Detection using Machine Learning:** Developed a **heart disease prediction model** achieving **95% accuracy** using **Python**, **Logistic Regression**, and **Random Forest**. Preprocessed medical datasets, performed **feature engineering**, and optimized model performance using metrics such as **precision (92%)** and **F1-score (91%)**, ensuring reliability for diagnostics.

ACHIEVEMENTS

- **Complete Web Development Course By Prof. Angela Yu** — Udemy
  Full Stack Web Development with emerging technologies — *November 2023*