

# Girish Kumar Goyal

[Email](#) | [Codeforces](#) | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Bulandshahr, Uttar Pradesh, India

## EDUCATION

### G.L Bajaj Group of Institutions Mathura

Mathura, Uttar Pradesh, India

B.Tech in Computer Science and Engineering; **CGPA: 6.80**

2022

**Relevant Coursework:** Data Structures and Algorithms, Machine Learning, Discrete Mathematics, Computer Architecture and Operating Systems.

### smt. Sridevi Awasiya Vidhyapeeth School

Agra, Uttar Pradesh, India

AISSCE conducted by CBSE, Class XII: **68.2%**

2018

### Keshav Madhav Saraswati Vidhya Mandir Sen. Sec. School

Kakore, Uttar Pradesh, India

AISSSE conducted by CBSE, Class X : **CGPA: 7.0/10.0**

2015

## ACHIEVEMENTS

- Achieved a **Codeforces Expert** rating of **1800+** with **1000+** problems solved on various Platforms.
- Ranked 1st out of 200+ participants** in the college coding contest by achieving the highest score.
- Secured **Top 500** rank twice and **Top 1000** rank four times in **Codeforces Div. 1 + Div. 2 contests**.
- Led Coding Club**, organized **5+ coding contests**, and mentored **100+ students**, building a strong technical community.
- Authored** a complete **Data Structures and Algorithms handbook** in **C++**, covering foundational topics with code examples.

## SKILLS

- Programming Languages:** Java, C, C++, Python, TypeScript, JavaScript, SQL, Golang
- Technologies/Tools:** GitHub, Git, Latex, Firebase, Docker, NoSQL, React, React Native, Node.js, API Design, System Design, Angular, CI/CD, Jenkins
- Operating Systems:** Kali Linux, Arch Linux, Debian, Zorin OS, Elementary OS, Garuda Linux, Parrot OS, Pop OS, Ubuntu
- Language:** English, Hindi

## EXPERIENCE

### Knoldus Softwares LLP

Noida, Uttar Pradesh, India

Frontend Intern

Nov 2021 - March 2022

#### Work Description:

- Collaborated with a team to develop a client panel, utilizing **Angular** (frontend) and **React** (frontend), with **Docker** and **Kubernetes** for containerization, and developed **CI/CD pipelines** for seamless deployment.
- API integration** handling and **HTTPS requests** in the Project and UI design of the project with Angular.
- Collaborated with team members using **Git and Agile methodologies**; contributed to the Leaderboard Project by developing frontend features with **Angular and TypeScript**.

## PROJECTS

- Modern Responsive Portfolio Website (React.js & Material UI):**
  - Developed a responsive personal portfolio using **React.js**, **Material UI**, and **Netlify**, showcasing coding projects and technical skills.
  - Optimized performance and **SEO** by implementing **lazy loading**, **meta tag** management, and **responsive breakpoints**, reducing page load time by **~40%**.
  - Built reusable **React components** and configured **React Router** for seamless navigation and maintainability.
  - Integrated a **contact form** with **email API** and **React Hook Form** for validation, boosting user inquiries by **20%**.
  - Deployed via **Netlify CI/CD pipeline** and monitored site health with **Lighthouse** audits.
- Data Structures Handbook:**
  - Wrote a structured handbook on core **data structures**, including **arrays**, **linked lists**, **trees**, **graphs**, and **heaps**.
  - Used **LaTeX** for professional formatting; included **C++** code samples, **diagrams**, and step-by-step **algorithm** walkthroughs.
  - Analyzed **time complexity** and **space complexity** for each data structure with practical examples.
  - Connected data structures to real-world **applications** and **competitive programming** techniques.
- Coding Club Website: (In Development)**
  - Leading the development of a **React.js**-based website for a **coding club** to showcase events, achievements, and member contributions.
  - Prioritizing performance, accessibility, and scalability through clean code and reusable architecture.**
  - Building **modular components** and **planning backend API integration** for real-time content updates.