

RITESH SINGH

+91 9457625597 — riteshsingh3589@gmail.com — linkedin.com/in/ritesh-singh23 — github.com/Ritesh-iiitn — [Portfolio](#)

Education

Indian Institute of Information Technology, Nagpur

Bachelor of Technology in Computer Science and Engineering

Nagpur, India

2023 – Present

Green Field Public School, Ghaziabad (CBSE)

Senior Secondary Education (Class XII) — Percentage: 92%

Ghaziabad, India

2022 – 2023

Technical Skills

Programming Languages: Python, Java, C, C++, JavaScript, HTML/CSS, SQL

Frontend Technologies: React.js, Next.js, Angular, Vue.js, Tailwind CSS, Material-UI

Backend Technologies: Node.js, Express.js, RESTful APIs, Flask, MongoDB, MySQL

Frameworks & Libraries: Pandas, NumPy, Matplotlib, Scikit-learn, TensorFlow, NestJS

Development Tools: Git, GitHub, VS Code, IntelliJ IDEA, Firebase, Convex

Projects

Mental Health Detection via Social Media | Python, NLP, BERT, RoBERTa, Machine Learning

[Project Link](#)

- Built NLP classification system processing 168,000+ Reddit posts to identify 8 mental health conditions with 85% accuracy.
- Implemented Logistic Regression, XGBoost, MiniLM, and Mental-RoBERTa models and evaluated performance metrics.
- Developed preprocessing, TF-IDF vectorization, and transformer tokenization pipeline reducing processing time by 40%.

FocusFlow – AI Productivity Platform | React, Flask, Firebase, Gemini API, MongoDB

[Project Link](#)

- Developed AI productivity platform with intelligent task prioritization and habit tracking serving 100+ active users.
- Integrated Gemini API generating context-aware task breakdowns in under 2 seconds with 90% user satisfaction.
- Built React frontend with reusable components improving performance and user retention.

SiteSpark AI – Web Design Platform | Next.js 14, Tailwind CSS, Gemini Flash 2.0, Convex

[Project Link](#)

- Built AI web design platform generating SEO-optimized React components from natural language prompts.
- Implemented real-time layout previews reducing design time by 60%.
- Deployed scalable Next.js application handling 500+ daily requests.

Relevant Coursework

Core CS: Data Structures & Algorithms, Object Oriented Programming, Database Management Systems

Systems: Computer Networks, Operating Systems, Software Engineering

AI/ML: Artificial Intelligence, Machine Learning, Natural Language Processing

Achievements

- **CodeChef:** 3-Star Coder with 1690 peak rating; ranked 63rd globally. [Profile](#)
- **Codeforces:** Pupil with 1376 max rating; achieved rank 770 globally. [Profile](#)
- **LeetCode:** Solved 320+ problems across DSA and DP. [Profile](#)
- Competed in 20+ team-based programming contests under strict time constraints.

Leadership & Extracurricular Activities

DotSlash Coding Club, IIIT Nagpur

Nagpur, India

Active Member & Peer Mentor

Dec 2023 – Present

- Mentored 15+ junior students in competitive programming and algorithm design.
- Conducted problem-solving workshops using LeetCode, Codeforces, and CodeChef.

Certifications

- **Deloitte Professional Experience Program:** Completed a Deloitte professional experience program gaining hands-on exposure to real-world consulting workflows and analytical problem-solving. [View Certificate](#)