

Gaurav Kumar

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EDUCATION

- Delhi technological University** New Delhi, India
Bachelor of Technology - Computer Engineering; GPA: 8.49 *Dec 2020 - Jun 2024*
Courses: Data Structures, Algorithm Design and Analysis, Object-Oriented Programming, Operating Systems, Database Management System
- KDB Public School** Ghaziabad, India
CBSE - Class XII; Percentage: 90.6 % *Apr 2018 - Jun 2019*
Courses: English Core, Physics, Chemistry, Mathematics, Computer
- KDB Public School** Ghaziabad, India
Bachelor of Technology - Computer Engineering; Percentage: 95 % *Apr 2016 - Jun 2017*
Courses: English Comm, Hindi, Mathematics, Science, Social Science

SKILLS SUMMARY

- Languages:** C++, Html, Css, JavaScript, SQL, JAVA
- Frameworks:** NodeJS, MERN (MongoDB, Express.js, React, Node.js) (beginner)
- Tools:** GIT, MySQL
- Platforms:** Windows, AWS (learning)
- Soft Skills:** Leadership, Event Management, Writing, Public Speaking

EXPERIENCE

- Samsung R&D Institute - Bangalore** Hybrid
Software Developer (Internship) *Jun 2023 - Aug 2023*
 - Automated Security Assessment:** Reduced vulnerabilities by **30%** and ensured **100%** compliance using **Boto 3** for cloud service and container image checks.
 - AWS Account Management:** Decreased unauthorized access by **25%** with robust security measures for root account and IAM user.
 - Service Security:** Increased data protection by **40%** by enhancing network and access security for **EC2, Lambda, RDS, DynamoDB, Redshift, and S3**.
- Hackerearth** Remote
Problem Setter (Part-time) *January 2022 - March 2022*
 - Designed Competitive Programming Challenges:** Created and validated over 20 challenges to enhance HackerEarth's problem library.

PROJECTS

- WorkflowHub:** (Frontend) (Backend) **Tech: MongoDB, Express.js, React, Node.js**
Developed a **MERN stack work management tool** that streamlined project workflows, reducing task completion time by approximately **25%** through role-based access control and automated notifications. (September '22)
- MoneyMate:** (Github) **Tech: MongoDB, Express.js, React, Node.js**
Built an **online wallet application** with robust user and admin interfaces, leveraging **MongoDB, Express.js, React, and Node.js**; integrated **Stripe** for seamless deposits and ensured secure, real-time transaction updates. (December '23)
- SpeakSmart(Ongoing):** **Tech: React, FastAPI, ChatGPT (OpenAI)**
Creating a **voice assistant** designed to improve user engagement, with a projected increase in conversation quality and response accuracy, leveraging **ChatGPT and Eleven Labs**.

HONORS AND AWARDS

- 81** Global Rank out of **20000** programmer in codechef.
- 567** Global Rank out of **25000** programmer in codeforces
- Hackerrank **5 star** and solved **600+** DSA questions on platforms like codeforces, CodeChef, and leetcode
- Achieved 100%** in Computer Science during CBSE 12th Board Exam.
- Earned BSES Merit Award** in 2019 for outstanding 12th-grade performance.

VOLUNTEER EXPERIENCE

- Co-Head, Web Development Department - IOSD Society, DTU** New Delhi, India
Led web projects and organized 5 college hackathons, boosting participation by 50%. *Jan 2021 - Sep 2022*
- Co-Head - STEP-UP Society, DTU** New Delhi, India
Directed activities and organized yoga and meditation events, attracting 200+ participants. *Jan 2022 - Mar 2022*