# Sameer Kumar Singh

+917888720446 | xvisierra@gmail.com | linkedin.com/in/xvisierra | github.com/xvisierra | Portfolio

## EDUCATION

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|---|---|
| **RNS Institute of Technology** | Bangalore, Karnataka |
| *Bachelor of Engineering in Information Science Engineering with 8.27 CGPA* | *Dec. 2020 – July 2024* |
| **Kendriya Vidyalaya AFS Avadi** | Chennai, Tamil Nadu |
| *Class 12 completed with 78.4%* | *May 2018 – March 2019* |
| **Kendriya Vidyalaya No.3** | Amritsar, Punjab |
| *Class 10 completed with 10 CGPA* | *March 2016 – March 2017* |

## EXPERIENCE

**Student Intern** — September 2023 – Present
*Nokia Solutions Networks* — *Bangalore, India*

- Conducted Valgrind memory leak checks across multiple modules in the cloud network team, promptly identifying and resolving issues to enhance the reliability and saving upto 40% of memory of a single MT
- As an R&D Intern conducted extensive research focused on advancing cloud network solutions for Session Control
- Collaborated within the session control team, actively learning and contributing to the development of IMS, ZTS, and other cloud solutions while utilizing Git, Jira, MobaXterm SSH and Gerrit for code reviews and workflow management

## SKILLS

**Technical Skills** : C++, C, Java, Python, HTML5, CSS3, Javascript, SQL, Git, Github, VS Code, Linux, Shell, Bash, Valgrind, Gerrit, API, Object-Oriented Analysis and Design, Data Structures and Algorithms.

**Leadership Skills** : Communication, Collaboration, Critical Thinking, Problem-Solving, Teamwork, Adaptability

## PROJECTS

**Hostel/Community lending webapp** | *HTML, CSS, JavaScript, Firebase* — August 2023 – September 2023

- Pioneered webapp enabling lending of items, notes, and books between over 500 hostel residents, reducing unnecessary expenses and building trust with over 200+ lendings so far
- Developed and designed using HTML, CSS, Bootstrap and JavaScript with data stored securely on Firebase

**Railway Reservation System using Hashing** | *C++, File Handling* — June 2023 – July 2023

- Developed a C++ application to simulate Railway Reservation System achieving an user-friendly menu-driven interface for efficient data processing and retrieval
- Streamlined passenger search by 90% compared to linear search and boosted system performance by implementing hash tables and externalizing reservation and user data storage in text files

**Cryptock - Live Crypto Tracker Website** | *HTML, CSS, Javascript, Github* — March 2023 – May 2023

- Built a responsive website with HTML, CSS and JavaScript to display live crypto prices and investments
- Developed an intuitive dashboard presenting real-time cryptocurrency prices and tabular data, displaying the current value and Profit/Loss of all investments in one place

## ACHIEVEMENTS

**Won Joget Track Award, HackOverflow** — May 2023
*Dept. of ISE* — *RNSIT*

- Led a team of 4, securing a top 5 position among 210 teams in the WebD domain of the HackOverflow hackathon

**Emerged victorious in CodeBreak coding contest organized by BigO Club** — January 2022
*BigO Club* — *RNSIT*

**Led Team to Victory as Chess Captain, Dept. of ISE** — March 2022
*RNSIT Sports Club* — *RNSIT*

## CERTIFICATES AND COURSES

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|---|---|
| **Learn and Master C Programming For Absolute Beginners!** \| *Infosys SpringBoard* | July 2021 – Present |
| **HTML, CSS, and Javascript for Web Developers** \| *Coursera (Johns Hopkins University)* | June 2021 – Present |