



Subhajit Biswas
UG (III Year I Semester)
B.Tech. (Computer Science and Engineering)
Contact No: 7432080915
Email: s_biswas@cs.iitr.ac.in
Registration No: 21114100/2024



Area of Interest

Data Structures and Algorithms, Software Development, Information Security

Education

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2023	B.Tech. 2nd Year	Indian Institute of Technology, Roorkee	7.977
2021	Intermediate (Class XII)	DAV Public School, Chandrasekharapur, Bhubaneswar	96.60 %
2019	Matriculate (Class X)	North Point English Academy, Malda (West Bengal)	97.00 %

Internships

Cloud Security and Data Research Intern | CloudDefense.AI February 2023 - March 2023

- Gained hands-on experience in cloud computing, cloud security, and software pentesting.
- Actively contributed to projects involving the implementation of cloud solutions, ensuring the security of cloud-based systems, and conducting software pentesting.

Projects

Stat11 | IIT Roorkee March 2023 - April 2023

- Stat11 is a Cricket scoring and analyzing platform developed to make tracking scores and analytics of local cricket matches easier.
- In Frontend, contributed to the development of the Homepage UI, Highlights, Main Scorecard, and Teams page.
- In Backend, managed API handling, generation of endpoints, and implemented algorithms for calculating essential match analytics.
- Tech Stack: ReactJS, Django Rest Framework, MySQL, Redux Toolkit

Synchronization Project | InfoSecIITR, IIT Roorkee April 2023

- Implemented synchronization techniques for parallelism: Developed a project applying synchronization methods to enable parallel execution and optimize resource allocation.
- Enhanced efficiency through synchronization: Successfully synchronized processes, improving system performance and reducing waiting times for critical tasks.
- Tech Stack : C

Maze Chase | InfoSecIITR, IIT Roorkee November 2022

- Developed a Car Maze Game as a Reversing CTF challenge in BackDoor CTF 2022 combining concepts of Graph Theory and Cryptography.
- Tech Stack: C++, Unreal Engine, Visual Studio

Awards / Scholarships / Academic Achievements

- Secured a place within the top 50 globally in Sejong CTF 2023 and competed onsite in the finals in Sejong, South Korea with Team 5h1nCh4n.
- Secured 6th place globally in HackDay CTF 2023 as a part of InfoSecIITR
- Secured 9th place globally in BYUCTF 2023 as a part of InfoSecIITR
- Secured 11th place globally in CSAW CTF Quals 2022 as a part of InfoSecIITR
- Secured 11th place globally in NullCon Berlin CTF 2023 as a part of InfoSecIITR
- Global Rank 999 | Codeforces Round 881 (Div. 3)
- Global Rank 1307 | Codeforces Round 877 (Div. 2)
- NTSE Scholar 2019
- KVPY SA Scholar 2020

Skills

Computer languages	C++, Python, Java, Verilog
Software Packages	Git, Linux, ReactJS, Django, Docker, SQL,AWS(Cloud)
Languages Known	English, Hindi, Bengali

Positions of Responsibility & Extra Curriculars

Member and CTF Player | InfoSecIITR, IIT Roorkee June 2022 - Present

- Member of InfoSecIITR, responsible for hosting and participating in CTFs, promoting cybersecurity culture in IIT Roorkee.
- As a Challenge Author for InfoSecIITR, responsible for designing and creating innovative challenges for participants in the field of cybersecurity.
- Authored challenges in BackdoorCTF, Hackentine and NoobCTF.

Competitive Programming | Codeforces December 2022 - Present

- Active Member on Online Judges like CodeForces
- Max Rating: CodeForces: 1438 (specialist) [Handle: Subhajit009]

Volunteer | National Social Service, IIT Roorkee

January 2022 - March 2022

- Volunteered in the Web Development Cell at NSS, IIT Roorkee.

References

Dr. Balasubramanian Raman

Professor, Computer Science and Engineering

Indian Institute of Technology, Roorkee

bala@cs.iitr.ac.in