



# Shrivathsa P S

Roll No.:210102107

B.Tech - Electronics and Communication Engineering

Minor in Computer Science and Engineering

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## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	9.04 (Current)	2021-Present
B.Tech. Minor	Indian Institute of Technology, Guwahati	9.5 (Current)	2022-Present
Senior Secondary	CBSE Board	97.8%	2021
Secondary	CBSE Board	98.0%	2019

## PROJECTS

- **Alcheringa - 2023** Oct. 2022 - Feb. 2023  
*Alcheringa, IIT Guwahati* Link | Github
  - A app built for the cultural fest of IIT-Guwahati, downloaded by **1K+** users with **5 star** rating, supporting features like **schedule tracking**, **event management**, **location tracking**, with real-time updates and much more.
  - Used **Firestore console**, for authentication and storing data, **kotlin** and **Java** on backend and **Compose** on front end.
- **Lockout - Bot** Nov. 2022 - Dec. 2022  
*Coding Club, IIT Guwahati* Github
  - A discord bot that can host tournaments, schedule matches, and fetch problems from Codeforces and Atcoder.
  - Used **Python** for backend, **MongoDB** to store the tournament fixtures and match results, **Discord.py** to integrate the bot with discord and **BeautifulSoup4** for web-scraping and **API** to fetch problems from websites.
- **Quick Chat** May. 2023 - June. 2023  
*Personal Project* Github
  - Chat application allowing users to Sign in/ Sign up and chat with other users in their personal space in real time
  - Used **Native Kotlin** for back-end, **Firestore** for authentication and **Realtime database** to store user data
- **Escape** Jan. 2023 - Feb. 2023  
*Kriti, IIT- Guwahati* Github
  - A game built in **Python** using **Pygame** for animations and keyboard controls, **Tkinter** and **Turtle** for front end

## COMPETITIVE PROGRAMMING

- **ICPC Kanpur-Mathura 2022 Qualifier Round:** Secured National rank **126** out of 2306 teams | **1st** in our batch
- **ICPC Amritapuri 2022 Qualifier Round:** Secured National rank **340** out of 2350 teams | **1st** in our batch
- **Google Kickstart Farewell Round A 2023:** Secured Global rank **720** out of 8000+ participants
- **Codeforces:** Maximum Rating: **1653** | **Expert** | Solved **650+** problems | **55+** Contests | Handle: **Shri\_874**
  - Codeforces Round 867 Div. 3: Secured Global Rank **335** among 24600+ participants
  - Codeforces Round 880 Div. 2: Secured Global Rank **580** among 21900+ participants
- **AtCoder:** Maximum Rating: **1045** | **Green** | Handle: **shri\_874**
  - AtCoder Regular Contest 163: Secured Global Rank **607** (National Rank **22**) among 4500+ participants
- **CodeChef:** Maximum Rating: **1931** | **4 Stars** | Handle: **shri\_874**

## ACHIEVEMENTS

- **JP Morgan Quant challenge :** Secured AIR **8** among 926 participants from top colleges of India. 2023
- **JEE Advanced 2021:** Secured AIR **4631** among 150,000 students 2021
- **JEE Mains 2021:** Secured AIR **5352** among 1 million students 2021
- **Awarded Branch Change to ECE** on achieving **Department Rank 2** in first year 2022

## TECHNICAL SKILLS

- **Programming:** Python, C/C++, Verilog\*
  - **App Development:** Kotlin, Flutter\*
  - **Miscellaneous:** Git, Figma, Latex\*, Pygame\*
  - **Database Management:** MySQL, Firebase, MongoDB\*
  - **Operating System:** Windows, Linux\*
- \* Elementary proficiency

## KEY COURSES TAKEN

- **Computer Science:** Data Structures and Algorithms\*, Automata Theory, Introduction to Computing
- **Mathematics:** Probability & Random Processes\*, Linear Algebra, Discrete Mathematics
- **Electrical and Electronics:** Digital Electronics\*, Control Systems\*, Signals and Systems, \* Awarded AA grade

## POSITIONS OF RESPONSIBILITY

- **Competitive Programming Head,** Coding Club, IIT Guwahati Apr. 2023 - Present
  - Conducted courses and multiple contests for intern placement and CP with 400+ Signups
- **Associate Technical Secretary,** Umiam Hostel, IIT Guwahati May. 2022 - Apr. 2023
  - Led our hostel in Inter Hostel Competitions under multiple domains from tech to finance
- **Coordinator,** IITG.AI, IIT Guwahati Sep. 2022 - Apr. 2023