# ANIRBAN DUTTA
Software Engineer, CapGemini
**(September, 2021 - Current)**

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**Portfolio | LinkedIn | GitHub | LeetCode |**

## PROFESSIONAL EXPERIENCE

**Software Engineer, CapGemini** ( Sept'21 - Current )
*Winner of the Outstanding Contribution in Delivery Team Award (ER&D), 2022, (RNR) 2023*

### C++ developer [Embedded Systems] (March' 22 - Current)

- Responsible for working on fixing a Mass Upgrade issue for **1.2 million live devices** in the field in Australia which enabled all the devices to update to the latest version of the software.
- Worked closely to **Design and Implement** a **feature** that enabled the product to recover after a hard Factory Reset, and recover the logs enabling engineers to debug issues in that downtime.
- Working on refactoring the entire PPPOE module following object-oriented programming principles.
- Actively participating in **thoroughly analyzing logs** to **debug and fix** issues to ensure smooth software release for our customers, helping in smooth iterations.
- Worked on creating a **stable connection** for multiple live test beds in Hyderabad Lab, which helped our testers in the team to perform local tests.
- Supported in writing multiple **Bash scripts** to recover product from different states of inactivity.
- Tech Stack used : C++, Object Oriented Programming, Linux, Bash, Networking protocols - DHCP, PPPOE, NETCONF, Tcp/Ip connections, Wireshark, Spirent, Jira

### Python Automation using Robot framework (October '21 - February '22)

- Responsible for converting the pre existing scripts of TR69 to the customers new product TR181.
- Worked closely in **writing/ debugging/ fixing** automation scripts to make the test cases pass.

## PROJECTS

- **AnnonyBlog - MERN -** Full Stack Blog Application - ***Source Code***
  - Built a **Full Stack blog application** using MERN Stack
  - **Users can** Register, Login, Create post, Upload Images, Like post, Add Comments
- **Technology Used**: MongoDb, React, Node, Express, Jwt, Bcrypt, Multer

- **StaffMate,** *A Employee Management System* **- *Live* | *Source Code***
  - Built a **CRUD** Management System using **React Hooks**
  - You can Add, Edit, and Delete users using Frontend only without the need for a backend server
- **Technology Used**: ReactJS, React Hooks, TailwindCSS, Conditional rendering, Sweetalert2

## TECH STACKS

**Coding Languages** : C++, JavaScript, Java, Python
**Front End** : React, Redux, Html, CSS, Tailwind, Modern Frameworks
**Back End** : NodeJs, ExpressJs, MongoDB, Rest API's
**Tools** : GitHub, Linux, Perforce, JIRA, Spirent, Wireshark, ChatGpt
**CS Fundamentals, Data Structures & Algorithms, Networking Protocols, Operating Systems**

## POSITION OF RESPONSIBILITY

- **Web Developer Intern** at Knuts Ventures ( 2020 )
- **Web Developer Intern** for MS Haque Clinic (2020 )
- Served as **Vice President of Public Relations** at **Kolkata Toastmasters Club** (2020-2021)
- **Assistant PR Manager** of **Division K, District 41 Toastmasters International**
- **Chartering Member** of **League of Entrepreneurs Toastmasters Club, Division K**

## EDUCATION

**B.TECH |2017-2021 |REGENT EDUCATION AND RESEARCH FOUNDATION**
Computer science and Engineering | YGPA: 8.73
**12TH (H.S) | 2016 | DDKBHS**
Major: Physics, Chemistry, Maths | Percentage: 85.1%