

# Lissiyas Antony

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## PERSONAL PROFILE

An active, motivated, and highly dynamic individual with exceptional working skills and a wide range of practical and theoretical experience in computer science, engineering, and computer architecture. Proficient in designing, building, and executing software applications that address complex and critical business needs.

## EXPERIENCE

### **Indian Institute of Technology Guwahati, India. (IITG) -**

*Junior Research Fellow*

Feb 2023 - Present

- Developed an algorithm in python to enhance security in modern multi-core architectures, specifically focusing on encryption of the packets in Network-on-Chip (NoC).
- Conducted extensive performance testing and benchmarking to validate the algorithm's speed and efficiency, demonstrating its superiority over existing methods.
- Documented the algorithm's design, implementation, and performance results, contributing to technical reports for internal and external audiences.
- Developed and maintained web application using Django, Python, and JavaScript,
- Expert in GIT with a comprehensive understanding of Django ORM and robust skills in databases such as PostgreSQL and MySQL
- Implemented responsive web design practices to ensure cross-browser compatibility and mobile responsiveness.
- Proficient in RESTful API design and development , Expertise in React.js Bootstrap and vanilla JavaScript , along with HTML5 and CSS3 for responsive and interactive web designs

### **Dayspring Technologies , Bangalore, India. -**

*Business Analyst*

JAN 2022 - JAN 2023

- Conducted in-depth data analysis of website traffic, customer behavior, and sales metrics.
- Developed and maintained regular reports and dashboards to track key performance indicators (KPIs), providing actionable insights to senior management and driving data-driven decision-making.
- Collaborated with cross-functional teams to develop detailed business requirements, use cases, and functional specifications for system enhancements and new product development.

- Familiarity with version control systems (e.g., Git), code review processes, and continuous integration/continuous deployment (CI/CD) pipelines.
- Analyzed large datasets using SQL and Excel to identify trends, patterns, and key insights, providing actionable recommendations to improve business performance.
- Worked in Creating complex Functions and Views by joining multiple Table as per the Customer Requirements and expertise in fine tuning complex PostgreSQL queries
- Helped customers to understand the different contexts in which the product can be effectively used, enable their growth, and objectify new use cases and solutions.

## EDUCATION

**Rajiv Gandhi Institute Of Technology, Kottayam, India -**  
*Master Of Technology In Computer Science And Engineering*  
 AUG 2019 - JULY 2021

**Younus College Of Engineering,Thalachira , Kottarakara, India -**  
*Bachelor Of Technology In Computer Science And Engineering*  
 AUG 2014 - AUG 2018

## TECHNICAL SKILLS

- HTML , CSS, Bootstrap, Django, Flask
- Python, C++, Go, PostgreSQL, R, JavaScript, REST API
- Figma, Gem5, Tableau
- MS excel, MS Power Point, SQL Server, DBeaver
- Operating System: Windows , Linux.

## PUBLICATIONS

- Securing Surveillance Data Using Incremental Cryptography , SoCPaR 2021. Lecture Notes in Networks and Systems, vol 417. Springer, Cham.  
[https://doi.org/10.1007/978-3-030-96302-6\\_20](https://doi.org/10.1007/978-3-030-96302-6_20)
- Exploring Trustable Paths in Network-on-Chip for Low-Slack Packets ,20th International SoC Conference (ISOCC 2023), South Korea (Accepted)