



## Joel Tito

Pre-Final Year B.Tech Student in Computer Science & Engineering (IoT)

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## Profile

Pre-final year B.Tech CSE (IoT) student at CHRIST (Deemed to be University), Bengaluru, with a strong foundation in cloud computing, cybersecurity, and Python. Experienced in Django REST development, Linux systems, networking fundamentals, and IoT- cloud integration through academic projects and hackathons. Actively building hands-on skills in containerization and security tools, with a focused interest in cloud and security-oriented roles.

## Education

### Bachelor of Technology in Computer Science & Engineering

Specialization: Internet of Things, Honours: Cybersecurity

CHRIST (Deemed to be University), Bangalore

2023 - Expected 2027

## Skills

- **Programming:** Python, C, C++, Java, HTML5, CSS, C#, Rust
- **Cloud & IoT Frameworks:** Docker, AWS IoT, Azure IoT, IoT Communication Protocols
- **Tools & Software:** Linux Basics, Networking basics, MongoDB, PostgreSQL, MySQL, Unity, Blender, Cisco Packet Tracer, Django, REST Framework, Docker, Kubernetes, NodeJS, Tableau, Power BI, Figma, VS Code, Postman, Redis, RabbitMQ Arduino IDE, Thingspeak
- **Soft Skills:** Continuous learner, Adaptability to new technologies, Attention to detail, Analytical thinking, Working under time constraints

## Coursework & Certifications

- **SWAYAM Certifications:** Cloud Computing, Foundation of Cloud IoT Edge ML, Advanced Distributed Systems, Python
- **Coursera:** Python, Getting Started with Azure IoT Hub, AWS IoT, Edge Computing
- **Networking Foundation (Cisco):** Completed foundational networking coursework

## Projects & Achievements

- **IoT Project:** Developed Smart Access System using IoT sensors.
- **Research Paper:** A Review of IoT-Based Environmental and Motion Sensing
- **Research Paper:** Battery Management System (BMS) for UAVs
- **AIORI Hackathon Grand Finale:** Kubernetes CNI Benchmarking
- **Winner at Math Expo:** Digital Image Processing
- **Finalist at Euphoria 24:** Competitive Programming
- **Cyber-multitool device:** SentinelPocket
- **Chatbot Development:** Built a chatbot with Python for responsive interactions
- **GitHub:** <https://github.com/JO-Techs>

## Professional Experience

Python Developer Intern | PixDynamics April 2025 – May 2025 | Info Park, Kochi, Kerala  
Backend development in financial software systems using Django Rest API based Frameworks.