

# Sam Christopher H

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## EDUCATION

### KGISL IIM

MCA IN COMPUTER APPLICATION  
Grad.May - 2023 | Coimbatore, India

### KARUNYA UNIVERSITY

BCA IN COMPUTER APPLICATION  
Grad.May - 2019 | Coimbatore, India

### SUBURBUN HR SEC SCHOOL

Grad. May - 2016 | Coimbatore, India

## LINKS

Github:// [sam-chris-fullstack-engineer](#)  
LinkedIn:// [sam-chris-full-stack-engineer](#)  
Website:// [sam-chris-portfolio.netlify.app](#)

## COURSEWORK

### POSTGRADUATE

Data Structure and Algorithms  
Operating Systems  
Software Project Management  
Computer Networks[Link]  
Big Data Computing [Link]  
Object Oriented Programming [Link]  
Relational Database Management Systems  
Web Application Development [Link]

### UNDERGRADUATE

Big Data Analytics  
Operating System Concepts  
Principles of Web Programming  
Network and Fundamentals  
Essentials of Software Engineering

## SKILLS

### TECHNOLOGIES

Programming Languages:  
Javascript • Java • HTML • CSS  
Libraries/Frameworks:  
TailwindCSS • Spring • Spring Boot • Rest APIs • Hibernate • React JS  
Databases:  
MySQL • PSQl • Appwrite • Back-End

## INTERESTS

Technical  
Fullstack • Programming  
Non-Technical  
Content Creation • Video Editing

## INTERNSHIP

### KODNEST TECHNOLOGIES | FULL STACK DEVELOPER INTERN

Jun 2023 – Feb 2024 | Bangalore, India

- Focused on **Java & Python full stack development**.
- Collaborated with teams to enhance software solutions.
- **Agile methodology** to manage project tasks and ensure timely delivery.
- Explored programming, **web development**, **SQL**, **problem-solving**, and testing.
- Learned and applied automation testing tools and frameworks to streamline testing processes, increase efficiency, and improve test coverage.
- Gained practical experience in **web development**, including both **front-end** and **back-end** technologies, to build robust and interactive **web applications**.

### WALMART | VIRTUAL SOFTWARE ENGINEERING INTERN

Feb 2024 – Mar 2024 | Remote

- **Advanced Data Structures:** Developed a novel heap **data structure** in Java for Walmart's shipping department, enabling **collaborative logistics operations**.
- **Software Architecture:** Designed a UML class diagram for a **data processor**, facilitating **collaborative** use across systems.
- **Relational Database Design:** Created an entity-relationship diagram for a new **database**, fulfilling all **requirements** for the pet department.
- **Data Munging:** Developed a **Python** script for efficient data population and management in the **database**.

## PROJECTS

### HEALTH-ALIGN: HEALTHCARE MANAGEMENT SYSTEM | LINK

- **Developed** a system to streamline patient data and appointments.
- Implemented tools for scheduling and managing appointments, reducing no-show rates by an estimated 15% over three months.
- Integrated SMS notifications for updates.
- Built with Next.js for enhanced efficiency.
- Followed the **Software Development Life Cycle** for project execution.

### TUNE-HUB: MUSIC STREAMING PLATFORM | LINK

- Seamless and enjoyable music listening experience.
- Listen to favorite songs.
- Create new tracks.
- Add songs to personal playlists.
- Comprehensive music streaming functionality.
- Focused on improving the user experience throughout **development** and **deployment** to ensure a seamless user experience.

## CERTIFICATIONS

- Paper Presentation - **Energy Efficiency in Mobile Ad-Hoc Networks with Multipath Routing** [Link]
- Walmart USA - **Advanced Software Engineering Job Simulation - Virtual Internship** [Link]
- Java Full Stack Development [Link]