

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-christopher07](#)

LinkedIn:// [sam-christopher07](#)

Website:// [samchris-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 • Front-End

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**.
- Explored competitive programming, **web development**, **SQL**, and both manual & automation testing
- Emphasized versatility and prepared for the dynamic tech landscape
- Worked on deployment processes to ensure smooth application releases.

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 to populate the **database**, ensuring **data** accuracy for **collaborative analysis**.

PROJECTS

HEALTH-ALIGN: HEALTHCARE MANAGEMENT SYSTEM | LINK

- Developed a system to streamline patient data and appointments
- Administrative tools for scheduling, confirming, and cancelling appointments
- SMS notifications for updates
- Built with Next.js for efficiency.
- Followed the Software Development Lifecycle 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.

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]
- Web Application Development [Link]
- Building a Dynamic Web App using PHP and MySQL [Link]