Salwyn Christopher

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EDUCATION

- **KL University** — Guntur, India
  *Bachelor of Technology – Information Technology (**CGPA: 8.02**)* — *August 2022 – June 2026*
  Courses: *Operating Systems, Data Structures, Analysis of Algorithms, Software Engineering, Networking, Databases, Cloud Computing, Full Stack Web Development*

SKILLS SUMMARY

- **Programming Languages**: Java, Python, TypeScript, C, SQL
- **Computer Science Fundamentals**: Data Structures, Algorithms, Object-Oriented Programming (OOP), Operating Systems, Computer Networks, Databases
- **Frontend Development**: React.js, Next.js, HTML5, CSS3, Tailwind CSS
- **Backend Development & APIs**: Node.js, Express.js, Django, RESTful APIs, Authentication & Authorization
- **Databases**: PostgreSQL, MySQL, MongoDB, Firebase (Firestore)
- **Cloud Platforms**: Microsoft Azure (Fundamentals), AWS (EC2, S3)
- **Engineering Practices**: Git, Debugging, Code Reviews, SDLC, Agile Fundamentals
- **Professional Skills**: Problem Solving, Team Collaboration, Communication, Adaptability

EXPERIENCE

- **AICTE** — Remote
  Virtual Internships (Google) — *Cohorts 8–12*
  - **Google Android Development Virtual Internship (Cohort 8)**: Developed Android applications using **Jetpack Compose** to build modern and responsive user interfaces. Integrated backend services using **REST APIs**, optimized application performance with **Kotlin**, and managed projects using **Android Studio** and **Git**.
  - **Cloud Engineering Virtual Internship (Cohort 11)**: Built scalable web applications using **React.js** with dynamic data handling through **REST APIs**. Deployed applications on **AWS**, developed backend services using **Node.js** and **Express.js**, and collaborated with teams using **Git**.
  - **Python Full Stack Developer Virtual Internship (Cohort 12)**: Developed full-stack web applications using **Python** and **Django**, implementing frontend views and backend business logic. Designed and consumed **RESTful APIs**, performed CRUD operations with relational databases, and ensured efficient data flow across application layers.

PROJECTS

- **Nimbus: Cloud-Powered Study Hub for Engineering Students** — June 2025
  Tech: Node.js, Firebase (Auth, Firestore, Storage), AWS, React Native
  - **Created a cloud-based academic platform**: Users can access study resources like notes, past exams, videos, and guides from any device.
  - **Enhanced user engagement and support**: Features include real-time doubt resolution, dark mode, intuitive feedback management, and secure account recovery.
  - **Implemented a scalable backend with Firebase and AWS**: Used **Firebase Firestore** for live data syncing and **AWS S3** for storing multimedia study content.

- **PathFlow: Roadmap Manager** — January 2025
  Tech: MongoDB, Express.js, React.js, Node.js, WebSocket, AWS, Tailwind CSS
  - **Built an interactive roadmap platform**: Users can create and share personalized roadmaps with custom templates.
  - **Optimized backend with real-time collaboration**: Used WebSocket for live updates and deployed backend on AWS for scalable storage.
  - **Enhanced user experience with responsive design**: Implemented Tailwind CSS to provide a clean, mobile-friendly interface across devices.

- **SkyBook: Airline Reservation System** — June 2024
  Tech: Python, Django, Git, MySQL, PyCharm
  - **Developed a full-stack flight booking platform**: Enabled users to search, book, and manage flight reservations.
  - **Implemented admin functionality for managing schedules and seats**: Admins can modify flight details, seat availability, and handle ticketing.
  - **Built a RESTful API for efficient backend communication**: Used **Django** and **PostgreSQL** to manage flight data and user transactions.
  - **Ensured data integrity and security**: Implemented form validations, user authentication, and secure database operations to prevent errors and unauthorized access.

- **CanvasVerse: Online Art Gallery** — October 2024
  Tech: Node.js, MongoDB, Express.js, React.js, Git
  - **Built a dynamic platform for artists and buyers**: Enabled users to display, sell, bid on, and discover artwork.
  - **Developed a scalable backend**: Used **MongoDB** and **Express.js** to manage listings and transactions.
  - **Created a responsive frontend**: Designed an engaging **React.js** interface for smooth browsing on all devices.

GLOBAL CERTIFICATIONS

- **AWS:** Cloud Practitioner

- **MongoDB:** DBA Associate

- **RPA:** RPA Essentials