

George Sebastian

📍 Thrissur, Kerala ✉ contact@thegeorge.in ☎ +91 9447688423 🌐 thegeorge.in in 🔄

Education

Karunya Institute of Technology and Sciences 2021 – Present
B.TECH IN COMPUTER SCIENCE AND TECHNOLOGY

- GPA: 6.2

Devamatha CMI Public School 2019 – 2021
Grade 12

- Percentage: 80

Experience

Software Engineer Intern Bangalore, India
FirstMeridian Business Services Feb 2025 – July 2025

- Implemented OAuth-based authentication, enabling secure third-party login integration
- Developed and integrated a role-based authorization system to manage user access and permissions effectively.

Head & Founder Coimbatore, India
Cyber Security Club (Karunya Institute of Technology and Sciences) Aug 2022 – Oct 2024

- Served as the Head of the Cybersecurity Club
- Elevate the club's presence through events and competitions, fostering a vibrant cybersecurity community.

Ethical Hacking Intern Kochi, India
Tech By Heart April 2020 – May 2020

- Participated in a one-month remote internship at TBH in April 2020, focusing on cybersecurity
- Worked on client-side malware execution and privilege escalation

Projects

NestJS-Oauth 🔗 📄

- NestJS application that implements JWT-based authentication and authorization
- It features a Role-Based Access Control (RBAC) system and a comprehensive User Management module.

FastAPI-SSO 🔗 📄

- Developed secure SSO solutions in FastAPI using Auth0 and a custom OAuth 2.0 flow with Google Cloud Console.
- Implemented cookie-based session management, microservices architecture, and enhanced logging with timestamp mixins.

AI-Intrusion-Detection-System 🔗 📄

- Developed an AI-based Intrusion Detection System using Random Forest Regression with optimized performance via Grid and Random Search.
- Applied data preprocessing techniques like feature scaling and label encoding to enhance model accuracy in detecting network intrusions.

IOT Fall Detection System With Blynk Integration 🔗 📄

- Developed a real-time IoT-based fall detection system using ESP32 and MPU6050, with customizable thresholds for accurate detection.
- Integrated Blynk platform for remote monitoring and smartphone alerts, enabling easy deployment and user-friendly configuration.

Technologies

Languages: SQL, Python, HTML, Javascript, Flutter

Technologies: NestJS, FastAPI, MySQL, Metasploit, Machine Learning