

Joel Amos Philip

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Objective

Aspiring Software Engineer with a solid grounding in software development and user-focused design. Passionate about building efficient, scalable solutions that prioritize performance, usability, and real-world value. Eager to contribute to innovative, team-driven projects while continuously advancing technical skills and best practices in software engineering.

Education

College of Engineering Poonjar (Affiliated to KTU) Poonjar, Kottayam
Bachelor of Technology in Computer Science & Engineering Nov 2021 – Apr 2025
CGPA: 7.49

Seventhday Adventist Higher Secondary School (Affiliated to ISC) Azhoor, Pathanamthitta
10th Grade Percentage: 83% Jun 2007 – May 2021
12th Grade Percentage: 88%

Languages:- Python, Java, C, HTML, Bash, SQL

Tools:- Git, Anaconda, VS Code, Overleaf, IntelliJ IDEA

Soft Skills:- Teamwork, Effective Communication, Time management

Achievements:- 2 X Top 5 Sem Topper, 1st prize in a Project Expo "IHRD Project Exhibition", IEDC Best Performer 2025, Outstanding Co-Coordinator for Signal 3.0 Techfest.

Extracurricular Activities:- College **Union Representative**, **Joint Sports Secretary**, **IEDC Student Lead** & **IEEE SPS Chair** – conducted 20+ events including a 3-day Tech Fest, a hackathon, a project expo, several workshops and talk sessions over the span of 4 years.

Projects

AI Personal Desktop Assistant - CyberSence Navigator CE Poonjar
AI chatbox integrated Website Sep 2024 – April 2025

- Developed a Python-based AI desktop assistant with voice-controlled automation using PyAutoGUI, enabling hands-free system navigation for improved accessibility.
- Integrated an AI chatbot to answer queries and improve user engagement.

AI-Driven Intrusion Detection with Honeypot Integration CE Poonjar
Interactive Website- Integrated with MySQL Feb 2024 – Jul 2024

- Built a real-time Python AI-powered IDS leveraging Scikit-learn for anomaly detection and threat prevention, integrated with MySQL for data storage.
- Created a dashboard for visualizing attack patterns and security alerts, improving monitoring and risk mitigation.

Hands On Development Projects Self-Initiated Projects
Personal Exploration 2024 – Present

As part of my self-driven projects, I developed a **Screenshot Taker** using PyAutoGUI and a **Random Password Generator** with Python's random module to improve my programming skills. Additionally, I built an interactive **Piano Web App** covering 12 notes (3rd octave) using HTML, CSS, and JavaScript, featuring animated key presses and real-time audio playback, showcasing my growing full-stack development abilities.

Certifications

SQL (Basic) HackerRank
Skills Gained:- SQL, MySQL, Querying June 2025

Career Essentials in Software Development Microsoft
Skills Gained:- Programming Foundations, Database, Agile methodology April 2025

Bash Scripting and Automation Udemy
Skills Gained :- File Processing, Linux Commands, Environment management May 2025

Java Essential Training Geeks for Geeks
Skills Gained :- OOPs concepts, Functions in Java, Data Structures in Java May 2025

Career Essentials in GitHub Professional Certificate GitHub & LinkedIn
Skills Gained:- Git Commands, Version Control May 2025

Python Programming Ed-Gaadi
Skills Gained :- Functions in Python, Lists, Libraries of Python June 2023