

ATHUL JAYARAJ

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SUMMARY

BCA graduate with a solid foundation in software development, backend engineering, and database management. Skilled in Python, Java, C, C++, PHP, HTML, CSS, and JavaScript. Experienced in developing secure, scalable applications through academic projects. Strong problem-solving and analytical abilities, with a keen interest in learning new technologies and contributing to efficient IT solutions.

PROJECTS

MAIN PROJECT | TWINLOCK- Dual Server Authenticated Encrytion With Keyword Search

- **Description:** Designed and implemented a secure data storage and retrieval system using dual-server architecture that supports authenticated encryption with keyword search (AEKS).
- **Role:** Lead developer responsible for system design, cryptographic protocol implementation, and integration of secure keyword search functionality across distributed servers.
- **Technologies Used:** Java, Java Cryptography Architecture (JCA), JDBC, MySQL, Socket Programming.
- **Impact:** Strengthened data privacy and search efficiency in distributed systems.

MINI PROJECT | CRIME GUARD- Fir Management System

- **Description:** Developed an online platform for filing First Information Reports (FIR) and further paper works like issuing chargesheet and other features to improve community interaction with law enforcement.
- **Role:** Full-stack developer responsible for both front-end and back-end development.
- **Technologies Used:** HTML, CSS, JavaScript, PHP, MySQL
- **Impact:** Enhanced user accessibility to law enforcement services, resulting in a more streamlined process for filing complaints.

EDUCATION

BACHELOR OF COMPUTER APPLICATIONS (BCA)

2022-2025

Sree Narayana College of Technology, Kollam (KERALA UNIVERSITY)

CGPA: 6.915

SKILLS

- **Programming Languages:** Python, Java, C, C++, PHP, HTML, CSS, JavaScript
- Good at Solving Problems
- Analytical Thinking and accurate in work
- Can easily pick up new technologies
- Data Analysis & Insight Development
- Good in teamwork and communication