

# Jerry James

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## SUMMARY

Results-oriented MCA graduate with a strong foundation in software development, Linux systems, and databases. Experienced in creating secure and scalable applications, with a passion for solving complex problems. Adept at collaborating in agile environments and committed to continuous learning and delivering impactful results.

## EDUCATION

### St. Joseph's College of Engineering and Technology

Master of Computer Applications

Palai, Kottayam, Kerala

Expected Graduation, May 2025

- **GPA:** 7.08
- **Related Coursework:** Data Structures & Algorithms, Programming, Machine Learning, Shell Scripting, Agile.

### Bishop Vayalil Memorial Holy Cross College

Bachelor of Computer Applications

Cherpunkal, Kerala

Graduated, May 2023

- **GPA:** 6.96
- **Related Coursework:** Data Structures & Algorithms, Programming, Web Development.

## EXPERIENCE

### IBM

Cybersecurity Intern

Remote

Jan 2025 – Present

- Learned and applied steganography and encryption techniques for data security.
- Explored real-world applications of secure data transmission methods.

## PROJECTS

### EduVision – Handwritten Notes Sharing and Quiz Generation Platform

College, Kerala

Developer

Jan 2025 - Present

- Developing a web platform that converts handwritten lecture notes into editable text using Azure Vision and NLP, generates chapter-wise quizzes, and allows students to share notes within a community.
- Technologies: Python, Azure OCR, MERN stack, Tailwind CSS.

### Criminal Recognition System

College, Kerala

Developer

Aug 2024 – Nov 2024

- Built a real-time face recognition system integrated with a web interface to identify individuals in a criminal database.
- Technologies: Python, OpenCV, MERN stack, Tailwind CSS.
- Designed and optimized modules for live video analysis and suspect management.

### Restaurant Management System

College, Kerala

Developer

July 2022 – Oct 2022

- Created a secure, database-driven system for inventory and employee management.
- Technologies: HTML, CSS, JavaScript, PHP, MySQL.
- Achieved a significant reduction in inventory waste by implementing efficient data analytics.

## CERTIFICATIONS

Software Engineering Job Simulation

Forage

Jan 2025

Certified Penetration Tester

RedTeamAcademy

Dec 2024

Introduction to Deep Learning

Great Learning

May 2023

Face Detection with OpenCV in Python

Great Learning

Oct 2023

Responsive Web Design

FreeCodeCamp

Aug 2022

## COURSEWORK

### Certified Penetration Tester

RedTeamAcademy

Analytical Thinking

July 2024 – Oct 2024

- Performed vulnerability assessments and penetration tests on various systems.
- Utilized tools like Kali Linux to identify and resolve security loopholes.

## SKILLS

**Programming:** Python, Node.js, React.js, JavaScript, HTML/CSS, MySQL, PHP, Java, C++.

**Tools:** Visual Studio Code, Git, Agile-scrum, Penetration Testing / Vulnerability Assessment.