

Akku Jacob Shaji

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Summary

Enthusiastic and highly motivated student seeking an IT management position to gain practical experience, learn from industry professionals, and contribute to the security of your organization's data and systems.

Skills & Achievements

Software: MS SQL Server management studio, Azure Data Studio, Oracle Virtual Machine, Visual Studio, DNS/NS lookup, Microsoft Office suite, Wireshark, Tableau, Power BI

Programming: HTML, JavaScript, Python, CSS, MySQL, PostgreSQL

Certification: Secure Software Design, Cyber Threat Management, Automation Anywhere RPA, Splunk

Achievement Women Safety Wearable Device Patent (Patent # 202041046415A)

Education

Oakland University (Graduate)	Expected: APR 2025
• Master of Science in Information Technology Management / Cybersecurity Analytics and Management	GPA: 3.31

Karunya Institute of Technology and Sciences (Undergraduate)	Graduated: May 2020
• Bachelor of Science in Computer Science	GPA: 3.0

Experience

Graduate Project: BEE Healthcare Patient Portal Oct 2024- Dec 2024

- Designed and developed a user-friendly web-based patient portal using HTML, Python, and Microsoft Access database, featuring a dynamic dashboard for managing medical records, test results, and appointment schedules to enhance patient engagement and operational efficiency.
- Focused on data security and privacy by incorporating encrypted database connections and adhering to healthcare HIPAA compliance standards. Enhancing patient satisfaction by 40% and improving data security and compliance by 50%.

Robotic Process Automation Intern: NeeliTech, LLP.

Apr 2020- Jan 2021

- Leveraging expertise in RPA tools like UiPath, Microsoft Power Automate, and Product design.
- Empowered team members to build AI-powered applications by sharing workload and maintaining availability.
- Expertise in RPA, workflow design, and chatbot development enabled the project to:
- Reduce order processing time by 35% with a custom low-code application. Streamline customer service through an AI-powered chatbot, increasing resolution
- Increased rates by 20% and deliver cost-effective automation solutions.

Project-3: Women Safety wearable device

Sep 2019 - Sep 2020

- Developed a portable, one-stop safety system for women by using Integrated sensors to monitor heartbeat and pressure, as well as a defense mechanism triggered by sensor data.
- Utilized GSM technology to send emergency SMS alerts that enabled real-time location tracking for added security.
- [Patent Published] <https://karunya.edu/cse/innovation>
- Indian Patent Application Number: 202041046415 A

Projects-2: Machine Learning for Health Care Sector

Aug 2019 - Dec 2019

- Analyzed and classified blood donors to optimize blood donor operations and enhance application stability by applying K-means clustering in Python, unit testing
- Enhanced application stability by 90% reduction in bug occurrences.

Projects-1: Banking Management System

Sep 2018- Feb 2019

- Leveraged BAMS, PHP, HTML, and MySQL,
- Designed and implemented a dynamic bank system that streamlined operations, boosted customer satisfaction by 70%
- Secured a competitive edge with an interactive UI and robust IT practices.