

# Jethreswar Varada

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## EDUCATION

**Binghamton University, State University of New York, Thomas J. Watson College of Engineering and Applied Science**

*Master of Science in Computer Science, Information Systems Track*

*August 2023 – May 2025*

**Cumulative GPA:** 3.58/4.00

**Relevant Coursework:** Software Project Management, Database Systems, Web Based Information Retrieval, Web and Database Security, LLM Foundations & Applications, Applied Machine Learning

**GITAM University, Visakhapatnam, India**

*Bachelor of Technology in Electronics and Communication Engineering*

*May 2020*

**Relevant Coursework:** Data Structures, Database Management Systems, Object-Oriented Programming with C++, Programming with C, Microprocessors and Interfacing, Computer Organization and Design

## TECHNICAL SKILLS

**Languages:** C, C++, Python, JavaScript, Java, SQL, PL/SQL, XML scripting, HTML, CSS

**Software:** Git, GitHub, VS Code, Docker, Postman, SOAP UI, OWASP, Oracle ADF, Spring, Apache Tomcat, K8, J2EE, Jenkins

**Additional:** React, Microsoft 365, AWS, Azure, Oracle Cloud, PostgreSQL, Flask, Django, Node.js, MongoDB, Express

**Certifications:** Oracle Cloud Foundations Associate, Oracle Integration Cloud Professional, AWS Cloud Essentials

## PROFESSIONAL EXPERIENCE

**DXC Technology, Associate Professional Software Engineer** | Bangalore, India

*January 2020 – June 2023*

- Scaled the UAE Ministry of Finance's e-Dirham platform to 50K+ monthly transactions, improving backend performance by 76.8% through service orchestration.
- Integrated e-Dirham and ePOS with Oracle SOA Suite, boosting CI/CD efficiency by 65.37% using Git, Jenkins, and Docker.
- Refactored JSF/JSPX interfaces using Oracle ADF and Bounded Task Flows, achieving 98.36% navigation accuracy and improved user experience.
- Managed 1,500+ ePOS terminals and launched digital payment services across 6 banks, increasing uptime by 82.5% with ELK Stack and Grafana.
- Developed unit tests using JUnit and implemented TDD practices, increasing Java application throughput by 75%.
- Led DMS 2.0 development for Maruti Suzuki using Oracle ADF and PL/SQL, optimizing 1,200+ dealerships and reducing query time by 35%.
- Designed VersaFleet TMS integration via Oracle Integration Cloud, enabling real-time connectivity with 6 ERP systems, including SAP and Oracle EBS.
- Automated 10K+ monthly orders using OIC REST/SOAP adapters, enhancing data accuracy by 25% and leveraging AWS Lambda for validation workflows.
- Improved delivery efficiency by 25% and achieved 92% on-time delivery via OIC lookups, GIS APIs, and optimized routing logic stored in AWS DynamoDB.

## PROJECT EXPERIENCE

**Real-Time Workout Tracker, Independent Project** | [Link](#)

*June 2024 – August 2024*

*Technologies: Javascript, MongoDB, React, Express, Node.js*

- Overhauled CRUD operations for workout records using Mongoose ORM, reducing database response times by 25%.
- Developed a responsive UI leveraging React.js, React Router, and Context API, increasing user engagement by 45%.
- Engineered high-performance RESTful APIs with Express.js and middleware, improving API response time by 10.
- Enhanced database performance by 32% via MongoDB-Mongoose integration for optimized storage and schema validation.

**Student Registration App, Co-Developer** | [Link](#)

*January 2024 – May 2024*

*Tech Stack: Java, SpringBoot, OracleDB, React, JDBC*

- Revamped a student enrollment system, integrating front-end and back-end services to boost performance scalability by 40%.
- Deployed Spring Boot and Spring Data JPA, reducing database access time by 31.4% and boosting API performance by 26.7%.
- Streamlined data storage and retrieval processes using Oracle Database and JDBC, cutting query execution times by 20%.
- Implemented a responsive UI in React.js with React Router, improving user interaction efficiency by 85%.

**LMS Quiz Generator, Academic Project** | [Link](#)

*September 2023 – December 2023*

*Technologies: Python, Django, PostgreSQL, HTML, CSS*

- Created a Django-based quiz management system with secure authentication, automated quiz generation, and real-time score tracking, enhancing security and usability by 34.7%.
- Designed interactive interfaces that boosted user engagement by 25.4% to attempt quizzes and receive instant feedback.
- Leveraged PostgreSQL for efficient query handling, reducing query execution time by 23.8% while ensuring data security.
- Optimized website responsiveness and mobile compatibility by 96% by creating a responsive UI using HTML and CSS.

## LEADERSHIP EXPERIENCE

**Binghamton University Dining Services (BUDS), Team Lead**

*August 2024 – Present*

- Oversaw event planning and catering operations for university functions, coordinating logistics, student staff, and vendor engagement to ensure seamless execution and high service quality.