T. Vamshi Likhith Reddy

| Technical Quality Assurance Adviser
| IT Professional

B.Tech (CSE – OU) | MS (Information Technology – USA)

Hyderabad, India

Professional Summary

Technical Quality Assurance Adviser with strong experience in academic quality systems.

Strong IT background with skills in software development, cloud technologies, and data analytics.

Expertise in IQAC processes, NBA accreditation, and ABET (USA) standards.

Associated with International Institute of Quality Assurance (IIQA), Hyderabad.

Passionate about quality assurance, continuous improvement, and technology-driven solutions.

Core Competencies

Academic Quality Assurance

- IQAC Implementation
- NBA & ABET Accreditation Support
- Outcome-Based Education (OBE)
- Documentation Review & Compliance

IT Systems Development

- Data Analytics & Reporting
- Cloud & Database Management

Technical Skills

Programming

Python, Java, C++, JavaScript

Web

HTML, CSS, React, Node.js

Databases

MySQL, PostgreSQL, MongoDB

Cloud

AWS, Azure

Data Tools

Power BI, Tableau, Pandas, NumPy

Others

Git, Linux, OOP, DSA, SDLC, Agile

Professional Experience (1/2)

Technical Quality Assurance Adviser

International Institute of Quality Assurance (IIQA), Hyderabad

Advising institutions on NBA standards, OBE framework, and accreditation readiness.

Supporting IQAC implementation, documentation, and compliance processes.

Conducting ABET-aligned quality audits.

Assisting in Program Outcome mapping, assessments, and best practices.

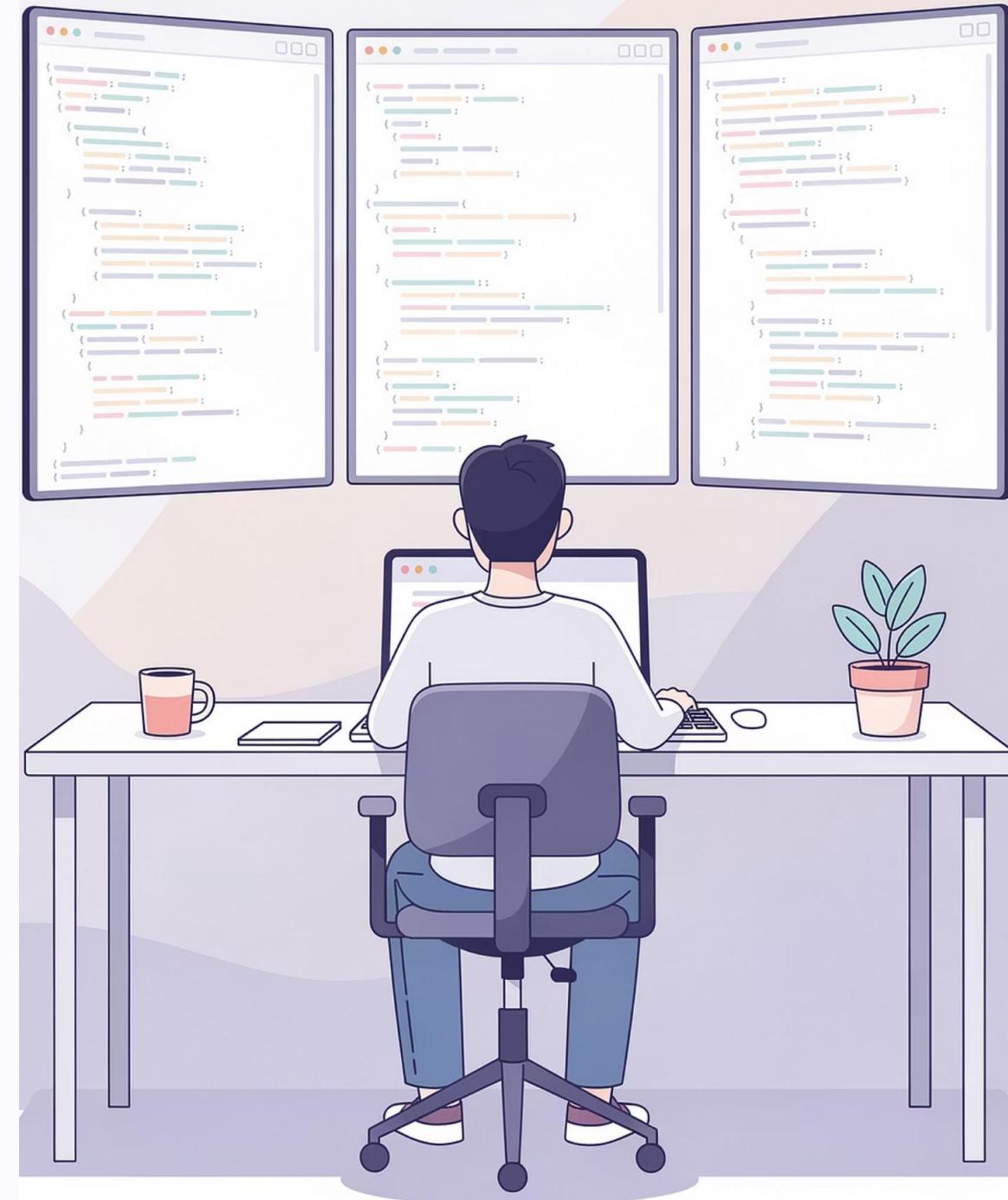Enhancing curriculum quality, OBE adoption, and performance metrics.

Professional Experience (2/2)

Software Engineer / Intern

- Developed and maintained web applications using JavaScript, Python, SQL.

- Improved application performance by 20% through optimizations.

- Collaborated with teams under Agile methodologies.

Education

Master of Science (Information Technology)

USA — 2022

Bachelor of Technology (CSE)

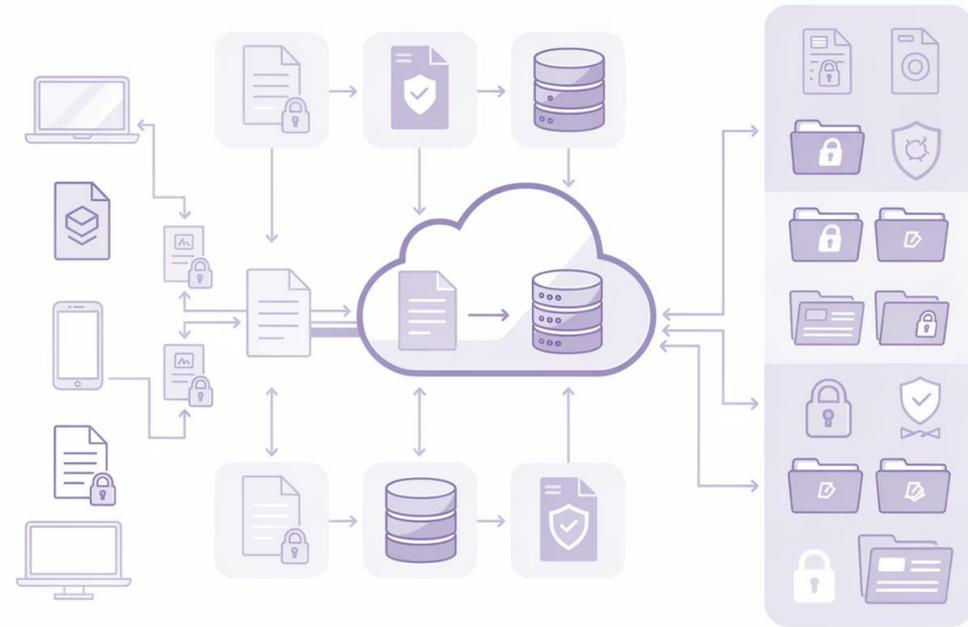Osmania University (OU), Hyderabad — 2019

Projects (1/3)

1. Student Performance Prediction System

- Machine learning model using Python, Pandas, Scikit-learn.
- Achieved 85% accuracy with advanced feature engineering.
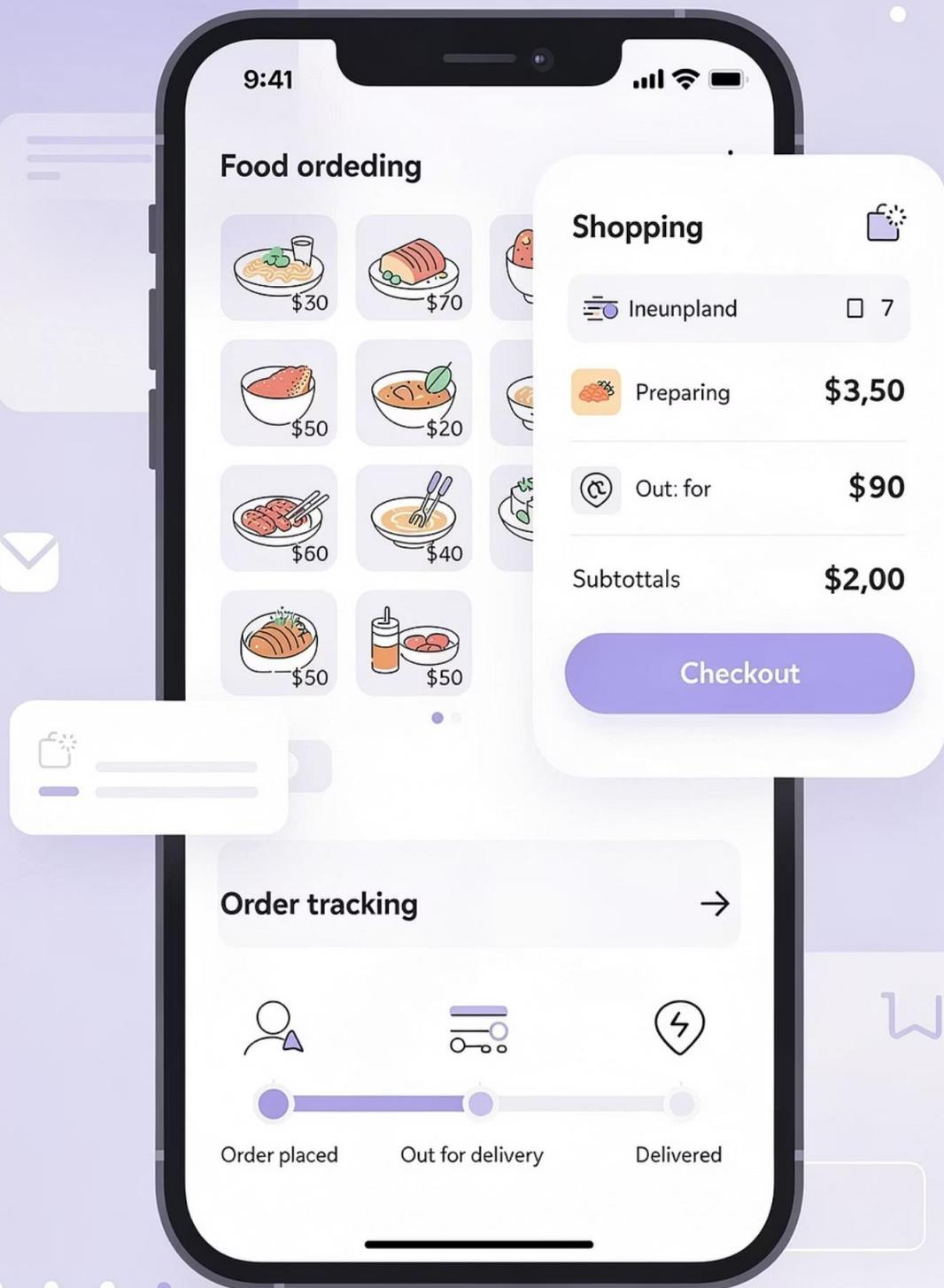- Built a Flask-based web interface for real-time prediction.

Projects (2/3)

2. Cloud-Based File Storage Application

- Secure storage using AWS S3, Lambda, DynamoDB.
- Implemented encryption, authentication, and access control.
- Reduced retrieval time by 40% via optimized architecture.

Projects (3/3)

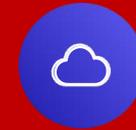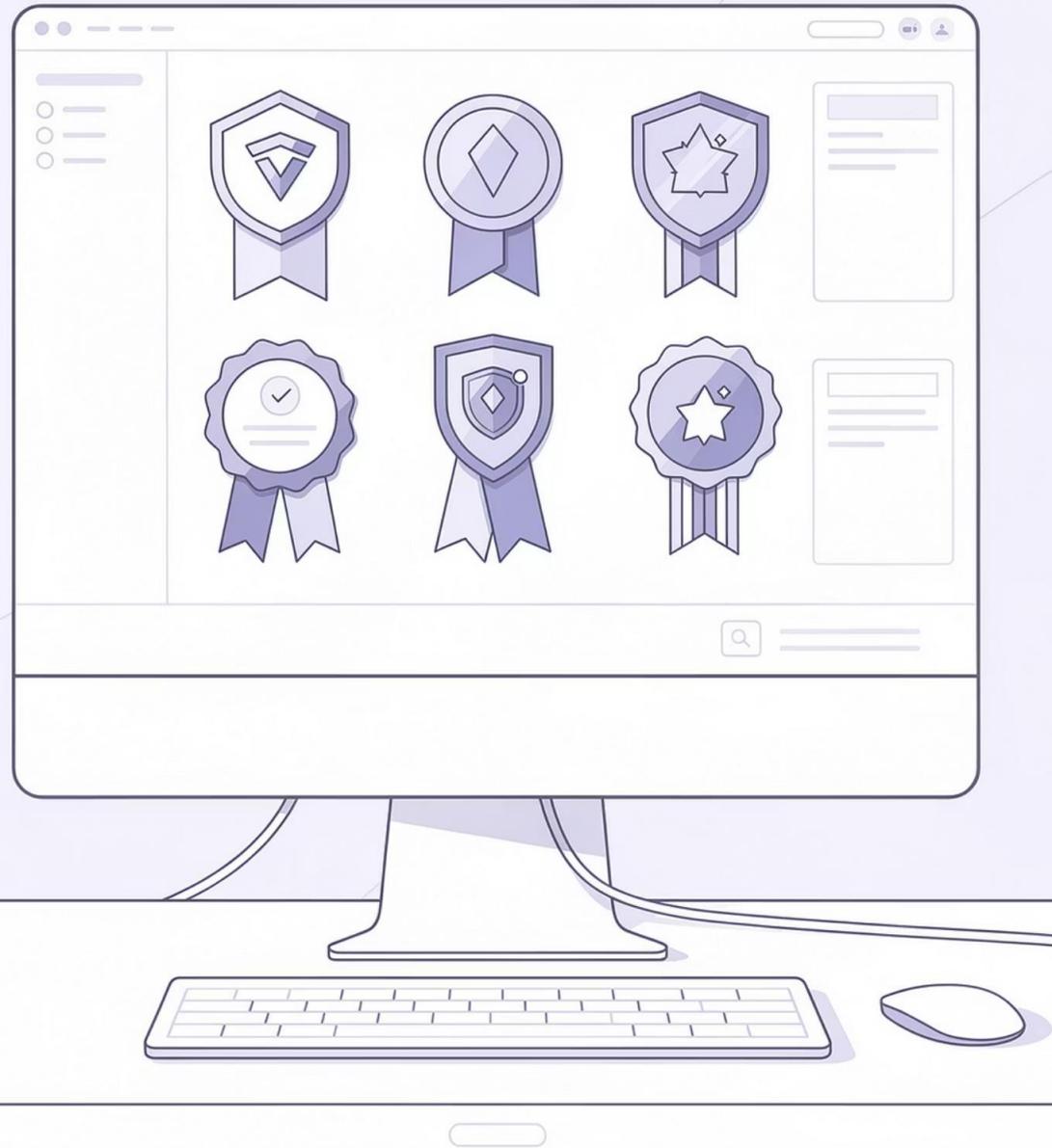## 3. Online Food Ordering System (Full-Stack)

Built using React, Node.js, MySQL.

Features: User dashboards, admin management, order tracking.

Improved performance with optimized SQL queries.

Certifications

AWS Cloud Practitioner

Google Data Analytics

Java Programming / Python Specialization

Achievements

Supported multiple engineering institutions in improving quality assurance & accreditation readiness.

Delivered academic and technical projects with measurable outcomes.

Recognised for teamwork, analytical skills, and quality-focused execution.

Active participant in coding challenges, hackathons, and workshops.