# EDUCATION

Manmohan Boyina

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# MS in Computer Science Expected May 2025

Indiana University, Bloomington, IN

**Bachelor of Technology in Computer Science June 2016 – May 2020** Koneru Lakshmaiah University, Vijayawada, India  **TECHNICAL SKILLS**

**Programming, Scripting Languages & Libraries**: C#, Java, Python, SQL, HTML, CSS, JavaScript

**Frameworks & Tools:** ReactJS, React-Redux, React Native, Node.js, Spring Web MVC, Spring Boot Express.js, Docker, Kubernetes, MongoDB, POSTGRE SQL, Mongoose, GIT, GitHub, Gitlab, JIRA, Elasticsearch, Microservice

**DevOps:** AWS- S3/EC2/SQS/IAM, GCP, AWS(SaaS)

**Others**: Scrum, and Agile Methodologies, RESTFUL API, GraphQL API, AJAX, OOPS concepts**,** Project Planning, MVP Creation, Task Management, Data Structures and Algorithms, System Design, Micro Frontend infrastructure, Software Development, Debugging

# PROFESSIONAL EXPERIENCE

**Verizon Data Services: *Software Engineer* August 2020 – July 2023**

* Led the design, development, and maintenance of 5 critical systems, resulting in the seamless deployment of over 30 features and a 20% improvement in system stability.
* Architected and implemented a microservices-based vendor management portal, using Spring Boot to reduce onboarding time from 90 to 15 days, boosting efficiency by 83%.
* Developed and deployed REST APIs with Spring Web MVC, Spring Boot, and Java 11, reducing API response times by 25% and improving database scalability by 20%.
* Applied Agile methodologies to create detailed work plans, leading to the development and testing of over 50 features, resulting in a 15% improvement in project delivery time.
* Streamlined deployment using Docker and Kubernetes with CI/CD pipelines on GCP, cutting deployment time by 40% and enhancing application scalability and availability.

**Smart Bridge: *Software Engineer Intern* May 2018 – December 2018**

* Developed a robust facial recognition system in Python using Eigenfaces, Fisherfaces, and LBPH, achieving 95% accuracy and enhancing real-time authentication processes.
* Increased facial recognition processing speed by 30% through optimized algorithm selection and Python code refactoring, enabling real-time image analysis for security systems.
* Architected advanced Python code leveraging OpenCV and machine learning models, achieving 80% recognition accuracy from multiple angles, improving security system reliability.
* Implemented a facial recognition system for traffic monitoring using Python and OpenCV, improving driver safety for 100,000 daily commuters by enhancing enforcement systems.

# PROJECTS

* **Event Management System | Javascript, Node.js, MongoDB, API:** Led the design and development of a scalable ticket reservation system using Node.js and MongoDB, improving performance by 25% and enhancing user experience. Developed efficient data storage and retrieval solutions, streamlining backend processes and boosting project efficiency and user satisfaction. Designed and implemented optimized API routes for real-time venue and activity information retrieval, increasing system speed by 30%.

**Repo URL:** [github.com/ManmohanBoyina/Event-Management-System-BackEnd](https://github.com/ManmohanBoyina/Event-Management-System-BackEnd)

* **Master-Chef | React Native, Node.js, MongoDB, API:** Developed a recipe app enabling users to search for and add their own recipes, improving user engagement through efficient backend services and a responsive interface. Implemented user authentication, search functionality, and recipe storage using MongoDB, ensuring scalability and seamless data management. Created the frontend with React Native for cross-platform support, optimizing the app for performance on both iOS and Android devices.

**Repo URL:** [github.com/ManmohanBoyina/Master](https://github.com/ManmohanBoyina/DriverDrowsinessdetection)-Chef

# CERTIFICATIONS

* Pega Certified System Architect
* Pega Certified Senior System Architect

# ACHIEVEMENTS

* Developed an innovative "When Rule Dashboard" during a hackathon, which enhanced rule-based decision-making processes, securing first place for innovative solutions.
* Awarded Best Employee twice for designing and implementing an advanced offer validation system, improving approval rates by 40% and enhancing revenue protection.