

ROHIT CHOWDARY YADLA

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Education

California State University Fullerton

August 2023 – May 2025

Master of Science in Computer Science

Fullerton, CA, United States

Courses: Advanced Database Management, Advanced Algorithms, Modern Software Management, Mobile Dev Programming, Advanced Computer Networking, Web Back-End Engineering.

Sathyabama Institute of Science and Technology

July 2017 – August 2021

Bachelors of Engineering in Computer Science and Engineering

Chennai, India

Courses: Object Oriented Programming Through Java, Data Structures Through C++, Web Technologies, Programming with C, Python programming, Cloud Computing, Database Management Systems, Data Communication and Computer Networks.

Technical Skills

Programming Languages: JavaScript (Node.js, Express.js), Python, Java, C, C++

Web Technologies and Frameworks: React.js, Next.js, Tailwind CSS, HTML5, CSS3

Backend API Development: Node.js (Express.js), Spring Boot, RESTful APIs, GraphQL

Databases Data Management: MongoDB, MySQL, Redis, Mongoose, Spring Data JPA

Testing Debugging: Jest, Supertest, JUnit, Mockito

Cloud DevOps: AWS (EC2, S3, Lambda), Docker, Kubernetes, Jenkins, GitHub Actions

Security Best Practices: JWT, OAuth, OWASP, SQL Query Optimization

Development Methodologies: Agile (Scrum, Kanban), CI/CD Pipelines, SDLC

Experience

Cognizant Technology Solutions

August 2021 – July 2023

Programmer Analyst

Hyderabad, India

- Developed RESTful APIs using Node.js and Express.js for user authentication, data processing, and workflow automation.
- Optimized MongoDB schemas via Mongoose, improving data retrieval performance by 30%.
- Implemented Redis caching, lazy loading, and React Hooks, reducing response and load times by 40% during peak usage.
- Built and maintained robust backend systems with 100+ unit and integration tests (Jest, Supertest), ensuring 95% test coverage.
- Automated CI/CD pipelines using GitHub Actions, Docker, and AWS, improving deployment speed by 50%.

SmartBridge

October 2018 – January 2019

Intern Trainee

Hyderabad, India

- Developed Single Page Applications (SPAs) with React.js, implementing state management using Redux.
- Collaborated with Agile teams to design, develop, and deploy RESTful APIs, improving data communication efficiency by 20%.
- Strengthened application security with JWT and OAuth, enhancing access control mechanisms.

Projects

LearnQuest: Personalized Career Development Platform

- Designed a career development application using React.js, Java (Spring Boot), and MySQL, integrating Coursera and LinkedIn data.
- Developed machine learning models for skill gap analysis and employability predictions, aligning user skills with industry demands.
- Enhanced user engagement by 25% with features like collaborative challenges, predictive analytics, and real-time job market insights.

SEO Keyword Tracker and Analyzer

- Created a Python-based tool for monitoring and analyzing SEO keywords, enabling businesses to optimize search rankings by 20%.
- Implemented advanced algorithms (Rabin-Karp, Suffix Tree, Knuth-Morris-Pratt) for accurate and efficient keyword tracking.
- Delivered real-time keyword performance monitoring and data visualization, refining SEO strategies and driving competitive analysis.

Restaurant Recommendation Using Sentiment Analysis

- Developed a recommendation system using Python (NLTK) for sentiment analysis on Yelp reviews, achieving 87% accuracy.
- Applied collaborative filtering techniques, improving personalized recommendations by 30%.