

Education

California State University Fullerton <i>Master of Science in Computer Science</i> Courses: Advanced Database Management, Advanced Algorithms, Modern Software Management, Mobile Dev Programming, Advanced Computer Networking, Web Back-End Engineering.	August 2023 – May 2025 <i>Fullerton, CA, United States</i>
Sathyabama Institute of Science and Technology <i>Bachelors of Engineering in Computer Science and Engineering</i> 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.	July 2017 – August 2021 <i>Chennai, India</i>

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 <i>Programmer Analyst</i> • 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%.	August 2021 – July 2023 <i>Hyderabad, India</i>
SmartBridge <i>Intern Trainee</i> • 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.	October 2018 – January 2019 <i>Hyderabad, India</i>

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%.	