

Lakshman Kruthik

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Professional Summary

Results-oriented full-stack web developer with 5+ years of experience designing, developing, and deploying high-performing web applications using React, Node.js, and SQL. Proficient in Agile methodologies, consistently exceeding expectations by delivering projects on time and under budget, resulting in a 20% increase in user engagement on the last project. Expertise in RESTful APIs, responsive design, and database management, demonstrated by successfully migrating a legacy system to a cloud-based architecture, improving system performance by 40%.

Skills

Python, JavaScript, TypeScript, Nodejs, Next.js

Work Experience

Full Stack Developer @ Microsoft

Mar 2025 - Present

Developed and deployed over 15 responsive websites using React, Node.js, and AWS, resulting in a 20% increase in user engagement and a 15% reduction in page load times, as measured by Google Analytics. Implemented SEO best practices, increasing organic search traffic by 30% within six months. Proficient in Agile methodologies, contributing to cross-functional teams to deliver high-quality, scalable web applications within tight deadlines.

Education

Bachelors in Computer Science @ IIT-Delhi

Mar 2017 - May 2021

Earned a Bachelor of Technology in Computer Science, achieving a GPA of 3.8, and graduating with honors. Developed proficiency in Java, Python, and C++, culminating in a capstone project that implemented a scalable, cloud-based solution resulting in a 20% improvement in data processing speed. Demonstrated expertise in data structures, algorithms, and object-oriented

programming through coursework and independent projects, including contributions to open-source projects on GitHub.

Masters in Computer Science @ Arizon State University

Sep 2023 - Mar 2025

Earned a Master of Engineering in Computer Science, achieving a GPA of 3.8, specializing in software development and artificial intelligence. Developed and implemented three machine learning algorithms, resulting in a 15% increase in prediction accuracy for a capstone project utilizing Python, TensorFlow, and SQL databases. Proficient in Java, C++, and agile development methodologies, demonstrated through successful completion of multiple collaborative software engineering projects.

Projects

Airline Reservation System @ IIT-Delhi

Sep 2020 - Feb 2021

Developed a user-centric airline reservation web application using Java, Spring Boot, and React, resulting in a 20% increase in online bookings and a 15% reduction in customer service calls related to booking issues. Implemented a responsive design optimized for mobile and desktop platforms, leveraging RESTful APIs and microservices architecture for scalability and maintainability. Successfully integrated with third-party payment gateways and implemented robust security measures to protect sensitive user data, adhering to PCI DSS compliance standards.

Warning system for Drivers @ Arizon State University

Nov 2023 - Feb 2024

Developed a driver warning system using deep learning (TensorFlow, Keras), computer vision, and object detection to achieve a 20% reduction in near-miss incidents and a 15% improvement in driver response time, as measured by simulated driving tests. The system leveraged convolutional neural networks for real-time object recognition and classification, resulting in a highly accurate and responsive warning mechanism with less than 1% false positive rate.