

Venkata Sai Abhiram Addepalli

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Dynamic and results-driven professional with 2+ years of experience delivering innovative solutions in software development. Expertise in full stack development, machine learning, and agile methodologies.

EDUCATION

Old Dominion University, MS in Computer Science | Norfolk, VA, USA

Aug 2021 - May 2023

SRM Institute of Science and Technology, B.Tech in Information Technology | Chennai, India

July 2016 - June 2020

Related Courses: Foundations of Computing | Web Programming | Database Concepts | Networks & Communication | Data Science & Analytics | Malware Analysis and Reverse Engineering | Human-Computer Interaction | Computer Vision | Computer Architecture | Algorithms and Data Structures | Object Oriented Analysis and Design | Computer Networks | Database Management Systems | Cloud Computing | Virtualization | Operating Systems

EXPERIENCE

Adven Technologies Inc, Full Stack Java Developer | Remote (Texas, USA)

August 2023 - May 2024

- Orchestrated the development of a scalable e-commerce platform using React.js and Next.js, driving a 30% surge in monthly active users and a 20% uptick in conversion rates.
- Pioneered the integration of TailwindCSS for a major user interface redesign, resulting in a 40% acceleration in page load times and a 15% enhancement in user engagement metrics.
- Championed the implementation of DevOps practices for continuous integration and deployment, slashing deployment time by 50% and boosting deployment frequency by 25% for a critical application.

Old Dominion University, Graduate Teaching Assistant | Norfolk, USA

August 2021 - May 2023

- Analyzed and executed intricate programming projects that encouraged innovative utilization of C++ principles. Guided students in diagnosing and rectifying coding issues, fostering troubleshooting proficiency.

Newsgator, Full Stack Software Engineer | Hyderabad, India

October 2019 - June 2021

- Implemented object-oriented programming principles in Angular framework to develop highly scalable and robust software applications; reduced bug count by 40% and improved application performance by 50%.
- Leveraged AWS S3's multi-part upload feature to optimize application performance, enabling efficient operation even in low-bandwidth, high-latency conditions.
- Elevated data analysis capabilities and user experience by crafting engaging data visualizations using D3.js and various npm packages. These visualizations not only enhanced user engagement by 25% but also provided valuable insights for data-driven decision-making.
- Streamlined user access with seamless single sign-on functionality through the integration of third-party APIs. This initiative resulted in a 30% increase in user convenience and a smoother overall user experience.
- Demonstrated expertise in Microsoft Azure cloud technologies, including Kubernetes, Docker, KITT, Helm chart, and GitHub; orchestrated software integration and deployment resulting in 50% faster time-to-market.
- Engineered and optimized RESTful APIs facilitating seamless frontend-backend communication; led 40% reduction in API response time through scrupulous testing with Mongoose and Postman.
- Actively participated in DevOps practices, agile development methodologies, scrum ceremonies, and cross-functional collaboration. Played a significant role in successful project outcomes, fostering a collaborative environment and ensuring alignment with project goals.

SKILLS

Languages	Javascript, Typescript, C/C++, Python, Java
Web Development	Angular, NextJS, NodeJS, HTML/CSS, PHP, Laravel, ReactJS, Redux, Jasmine & Karma, Cypress, SQL, NOSQL, TailwindCSS
Software	Linux, Tensorflow, Pytorch, Docker, OpenCV, Visual Studio, Blender
Certifications	Machine Learning by DeepLearning.ai & Stanford University - (2024) Introduction to Data Science in Python - (2019) Programming for Everybody (Getting Started with Python) - (2018)

PROJECTS

Advanced Electronic Voting System | Old Dominion University

Jan 2022 - April 2022

- Designed a secure website featuring fingerprint recognition, constructed with Laravel, SQL, and Computer Vision, to revolutionize remote voting and achieved a 40% increase in consumer security and participation.
- Ensured a tamper-proof voting process, leading to a significant 40% rise in user trust and participation in remote elections.

Study the likelihood of a worsening or improving Diabetes in Adults | ODU

Aug 2021 - Dec 2021

- To find and scrape the required datasets from the internet and perform predictive analysis on the dataset. We can also perform diagnostic analytics (that includes contributing factor examination) to determine why a diabetes outcome has happened.
- Based on the past outcomes, the prediction system will predict the future of those adults that may be affected by diabetes.