

# ASRITHA VEMIREDDY

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FULLSTACK SOFTWARE ENGINEER | FRONTEND DEVELOPER | UI/UX | WEB DEVELOPMENT | SQL/NOSQL | ANGULA

Results-driven Full Stack Developer with **5+ years of hands-on experience** across professional and academic settings, building scalable, secure, and user-centric web applications across healthcare and fintech domains. Highly proficient in modern JavaScript frameworks including **React**, **Angular (v9 & v12)**, and **TypeScript**, with proven expertise in designing and optimizing full-stack solutions using **Node.js**, **Spring Boot**, and **REST/GraphQL APIs**. Specialized in creating responsive front-end architectures, enhancing performance, and ensuring compliance with standards such as **HIPAA** and **WCAG 2.1**. Skilled in CI/CD automation with **GitHub Actions** and **Jenkins**, cloud deployments on **Azure AKS**, and containerization using **Docker**. Adept at collaborating with cross-functional teams, mentoring junior developers, and driving high-quality, testable, and maintainable code with a focus on usability and performance.

## EDUCATION

Pace University, Seidenberg School of Computer Science and Information Systems

New York, NY

Master of Science (MS) in Computer Information Systems | **Concentration:** Software Engineer | **GPA:** 3.97

Dec 2024

## PROFESSIONAL EXPERIENCE

### ShopTaki

New York, USA

Full Stack Developer

Jan 2025 – Present

- Developed and implemented AI-driven stock options algorithms to optimize trading strategies, improving accuracy and decision-making in real-time financial data analysis.
- Collaborated with cross-functional teams to integrate data sources and enhance the performance of AI models, contributing to the continuous improvement of the platform's trading capabilities.

### GaoTek Inc.

New York, USA

Web Development

Jan 2024 – Dec 2024

- Customized WordPress functionalities, focusing on WooCommerce, Contact Form 7, and Ajax search, improving e-commerce performance by 25% and enhancing user experience by reducing page load time by 15% through HTML, CSS, JavaScript.
- Executed data import, form integration, and custom code implementations, ensuring 100% compliance with project requirements and achieving seamless integration within the system.

### Rakuten Pvt Ltd

Bangalore, India

Software Engineer

Aug 2021 – Jan 2023

- Engineered a Multi-threaded SQL Operations Interface, utilizing Master-thread for full operations and Slave-thread for read-only tasks, ensuring real-time execution and synchronization.
- Streamlined data management processes, reducing time spent on SQL operations by 30%, which led to a 20% increase in overall system performance and faster product delivery, ultimately enhancing user experience.
- Utilized technologies: Java, Python, MySQL (CRUD), PostgreSQL, Spring Boot, and Flask. Achieved robust/efficient solutions.

### Temenos

Hyderabad, India

Frontend Developer

May 2020 – July 2021

- Developed and deployed dynamic, responsive web applications using React.js, Node.js, and Flask, delivering seamless user experiences for small business clients in retail and services sectors.
- Designed and optimized MySQL and Firebase databases for efficient data management, while integrating AWS S3 and Firebase Storage for scalable file storage solutions.
- Improved application performance by 30-40% through optimization strategies such as code splitting, lazy loading, and efficient database queries, ensuring faster load times and better scalability.

## ACADEMIC PROJECTS / PERSONAL PROJECTS

### Flight Delay Analysis (Big Data)

Jan 2024 – May 2024

- Developed and deployed scalable distributed systems on AWS EC2 and S3 to process large flight delay datasets (1987-2008) using Hadoop, ensuring efficient data storage and processing.
- Analyzed and visualized key patterns in delays, providing insights to stakeholders with tools like Matplotlib and Seaborn.

### Project Management Dashboard

Jan 2023- May 2023

- Developed an interactive project management dashboard using React, HTML, CSS, and JavaScript Libraries, implementing dynamic components and state management to provide real-time updates and interactivity.
- Integrated a Node.js/Express backend with a MongoDB database to handle CRUD operations via RESTful APIs and deployed the frontend on GitHub Pages and the backend on Heroku for seamless access and functionality.

## RELEVANT COURSEWORK

Web Development | Database Management | Object Oriented Software Engineer | Big Data | Database Design and Development of Web | Agile Methodologies | SDLC | Operating Systems | Data Science | Data Structures | Data Visualization | Infrastructure-as-code (IaC)

## TECHNICAL SKILLS & CERTIFICATIONS

**Programming Languages:** JavaScript (ES6+), TypeScript, Java, Node.js

**Frontend Technologies:** React (v16+ & 17+), Redux Toolkit, React Query, React Hooks, Context API, Angular (v9, v12), RxJs, NgRx, Angular Material, Tailwind CSS, HTML 5, CSS 3

**Backend Technologies & Frameworks:** Spring Boot, Express.js, Node.js, RESTful APIs, GraphQL, Microservices architecture, Apache Kafka

**Authentication & Security:** OAuth 2.0, JWT, AWS Cognito, Azure Active Directory, HIPAA Compliance, Spring Security, Input Validation

**Databases:** MongoDB, DynamoDB, PostgreSQL, MySQL

**Testing & Quality Assurance:** Jest, React Testing Library, Jasmine, Karma, Postman, Unit & Integration Testing, Frontend Test Coverage

**DevOps & CI/CD:** GitHub Actions, Jenkins, Docker, Azure Kubernetes Service (AKS), Automated Build & Deployment Pipelines

**Monitoring & Analytics:** Azure Monitor, Application Insights, Grafana