

Siva Krishna Reddy Pulicherla

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EDUCATION

University of Cincinnati | Cincinnati, OH

2024

Masters of Engineering In Computer Science | Computer Science | GPA: 4.0/4.0

Anna University (R.M.K College of Engineering & Technology) | Chennai, India

2020

Bachelors of Engineering in Computer Science and Engineering | Computer Science and Engineering | GPA: 3.5/4.0

EXPERIENCE

Software Engineering Intern | Full Stack Developer | Hive Networks, Inc. | Cincinnati, OH

July 2024 - October 2024

Implemented bug fixes and developing features using Vue.js, Quasar, Node/Koa.js, MSSQL, Chart.js, TypeScript, and Yarn within an Nx monorepo and microservices architecture.

- Contributed in developing an Azure Cloud OpenAI Chatbot & AI Search leveraging LLMs from knowledge base, processing over 1,000 user queries daily improving user experiences by 60%.
- Designed and created Tags Suggestion feature for multiple networks, performed migration of data using complex SQL Queries reducing migration time by 40%.

Software Engineer | Full Stack Engineer | Presidio | Chennai, India

November 2020 - July 2023

Successfully led a cross-functional team, overseeing the maintenance and development of 6 customer-facing applications & Built over 30+ Interactive screens with backend development incorporating Kubernetes for container orchestration and troubleshooting production issues.

- Administrated critical Relational database migration (1.4 TB) from on-premises to cloud, reducing DB size by 88% and improving efficiency by 65%, leveraging technical design expertise.
- Elevated customer satisfaction by 30% by deploying a new feature set, by leveraging React, Angular, Spring boot and Node.js with IBM Cloud.
- Achieved a 99.9% uptime for critical applications by developing and enforcing stringent CI/CD pipelines, Successfully reduced the load time for a core application by 40% by optimizing code and leveraging DB optimization, indexing strategies and by implementing Redis caching.
- Improved security measures for a Govt agency business application, resulting in a 15% reduction in vulnerability reports (Using AuthO, JWT, Built Custom MFA Modules) while working with clients.
- Wrote clear and concise technical documentation which enhanced team efficiency and reduced inquiries by 45% & Partnered with QA and streamlined Regression testing and automate tests with Selenium and Python, boosting test pipeline speed by 45% (Unit Testing & Functional Testing).

Product Engineer | React Developer | Frontend developer | Codingmart Technologies | Coimbatore, India

December 2019 - October 2020

Designed and Developed SPA UI Applications for over 3 clients using CSS, HTML, Angular, SCM, and React, Redux with webpack; websites scoring over 85 on Lighthouse by performance tuning and SEO.

- Optimised the load time by 30% using Next.js SSR and Google Page Insights.
- Fostered and Implemented an automatic event time slots booking module improving User Experience by 40%.
- Successfully implemented RESTful APIs integration, enhancing application functionality and user experience by 20%.

Contributed for an intranet site for ISRO using JSP, Servlets, J2EE, HTML5 & CSS3 in Eclipse with Object oriented programming & SOLID principles.

PROJECTS

Desktop AI Assistant (FRIDAY)

Engineered a voice-based digital desktop assistant using Python, Deep Learning Neural Networks, NLP, and TensorFlow.

- Amplified user engagement by 25% by developing AI model with TensorFlow and interactive GUI with Tkinter and reduced manual task completion time by 60%.
- Performs action using GUI Automations and APIs with scope to integration 100s of features controlled via Voice.

Smart India Hackathon

2018

Built an online live school education portal with video streaming and course management portal enabling 40% users to learn.

- Internationalization of the portal using Wordpress plugin adding 20% new users from native languages.
- Live streaming was optimized to reduce network usage by 25% using plugins.

Web App (Student management portal for college)

Conceptualized and created a comprehensive web-based student management system using Frontend Development, featuring user authentication, data tracking, and administrative tools easing the processing speed by 60%.

SKILLS

HTML	CSS	JavaScript	Angular	React	Vue	Redux	Next.js	TypeScript	Material UI	Bootstrap
Context API	JSON	XML	Node.js	Express	Spring Boot	MVC	REST APIs	PostgreSQL	MySQL	
RDBMS	IBM DB2	Redis	Hibernate	MongoDB	NoSQL	Auth0	WSDL/SOAP	ES6	AuthO	
Python	C/C++	Java	OOPs	Data Structures & Algorithms	C# (Basics)	.NET (Basics)	System Design			
ML	Gen AI	VS Code	IntelliJ	Jira	Confluence	Docker	Jenkins (Basics)	CI/CD	Agile Development	
Git	AWS	Gradle	Nginx	NPM	Linux/Mac/Windows	GraphQL (Basics)	Firebase	Problem-solving		
Leadership	Adaptability	Teamwork/Collaboration	Ownership	Creative	Debugging	Code Review				
Management	Interpersonal skills	Project management	Technical Documentation	Vue.js	Quasar	Node/Koa.js				
MSSQL	Chart.js	Yarn	PHP	WordPress	MySQL	Xamp	Laravel Framework	JSP	Servlets	J2EE
HTML5	CSS3	SCM	webpack	TensorFlow	OpenCV	Tkinter				

HONORS AND AWARDS

- 2018 Finalist | Smart India Hackathon

MISCELLANEOUS

- **GitHub:** github.com/psivakrishnareddy

- **Summary:**

Accomplished Software Engineer with 3+ years in full-stack development, cloud computing, and Agile team leadership. Proven in designing high-quality software solutions, optimizing databases, and managing cross-functional teams. Skilled in multiple languages, frameworks, and cloud platforms, with a track record of improving efficiency, reducing costs, and enhancing client satisfaction in Agile environments.