

Sai Vivek Kodam

Software Engineer | Open to Relocate

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EDUCATION

New Mexico State University **NM, USA**
Master's in Computer Science *Graduation Date: May 2024*

MLR institute of technology affiliated by Jawaharl **India**
Bachelor in Information Technology *Graduation Date: May 2020*

WORK EXPERIENCE

New Mexico State University **NM, USA**
Teaching Assistant *Jan 2023 - Dec 2023*

- Provided one-on-one and group assistance to students during office hours for CS-532 (Modern Web Technologies) and CS-448 (Special Topics) guiding undergraduates as they embarked on their final semester projects.
- Interacted with more than 50 students every semester, addressing inquiries, clarifying concepts, and offering guidance on assignments and projects.
- Received excellent feedback from students, with over 84% rating the teaching assistance as "excellent" in their post-course evaluations.

ArrowHead Center **NM, USA**
Graduate Assistant *Aug 2022 - Dec 2022*

- Assisted in the development and customization of 15 WordPress themes and plugins, meeting project requirements and ensuring a seamless user experience.
- Collaborated with a team of 5 web developers to successfully implement website designs and layouts for 10 client projects, resulting in a 20% increase in overall customer satisfaction ratings.
- Utilized HTML, CSS, and JavaScript coding languages to optimize website performance by reducing load time by an average of 30%.

Larsen & Toubro Infotech Limited India **India**
Data Engineer *Jan 2021 - Aug 2022*

- Developed and implemented webpages with HTML, CSS, and JavaScript for developers to access during application downtime, saving 25% of our time by providing estimated ETA directly on the page, rather than responding to emails.
- Managed Azure Linux VMs and performed regular database administration activities such as monitoring performance, optimizing queries, finding long-running queries that resulted in VM downtimes, and conducting backups, contributing to a 15% reduction in downtime. Optimizing vCore allocation in Azure to minimize expenses by 10%.
- Efficiently completed the migration from an SQL database to PostgreSQL through the use of Azure Data Factory, resulting in delivering a 20% boost in performance and a 5% reduction in costs for our clients P&G.
- Monitored and optimized the performance of multiple environments, including Tomcat, Pega, and Pega Predictive Diagnostic Cloud, Azure load balancer, resulting in a 20% reduction in application downtime.
- Collaborated with cross-functional teams to develop and execute a comprehensive disaster recovery plan for all application environments, ensuring minimal data loss and maximum uptime in the event of an outage.
- Developed and optimized process flows and properties based on requirements, resulting in increased efficiency by 20%.
- Implemented PRPC user interface development, designing web-based user interfaces for multiple devices and platforms, resulting in a seamless user experience.
- Coded various PRPC activities, data transforms, validations, flows, flow actions, assignments, and declaration rules to enhance functionality and streamline processes. Achieved a 15% reduction in processing time.

COURSE PROJECT

Crop Recommendation System

- Utilized the Random Forest Algorithm to develop a smart Crop Recommender achieving an impressive accuracy rate of 99%, resulting in more precise and efficient crop recommendations for farmers.
- Implemented Machine-Learning models that considered soil and environmental factors, dramatizing more accurate and personalized recommendations for farmers.
- Performed data cleaning, Securing, preprocessing, and employed data visualization tools for efficient analysis and interpretation of agricultural data, achieving a 90% accuracy in predictions and ultimately enhancing the quality of crop recommendations.
- Integrated cutting-edge ARIMA model for forecasting purposes, enhancing the project's predictive capabilities by accurately predicting future trends and patterns. This implementation resulted in a 15% improvement in forecast accuracy compared to previous methods used.

SKILLS

Pega, Java, Python, Azure, Javascript, Reactjs, Fast-API, HTML, Responsive web design, CSS, MySQL, Database Design, Github, Azure datafactory, PDC, Linux, Tomcat, Configuring Linux VMs, PostgreSQL, PGAdmin, SSMS, JIRA, RestAPI, CI/CD, Agile, Waterfall, Jira, Jenkins, Postman.

CERTIFICATIONS

- Pega Certified System Architect 8.5
- Azure Fundamentals (AZ-900)