

# Piyush Kanadje

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## EDUCATION

**University Of California, Riverside**

Riverside, CA

*Master of Science in Computer Engineering GPA: (3.82/4.0)*

*Sep. 2022 – Dec. 2023*

## TECHNICAL SKILLS

**Programming Languages:** Python, Java, Javascript, Sql

**Web Development:** React.js, HTML5, CSS, Bootstrap, Next.js, Node.JS, TypeScript, jQuery, AJAX, MySQL

**Tools and Frameworks:** Spring Boot, Git, Laravel, WordPress, Kafka, Jira, Camunda, Visual Studio, Postman

**Container Technology and Management:** Docker, Kubernetes, AWS ( EC2, EKS, S3, RDS), CloudLab, GCP

**Other Application & Technologies:** Linux, Jenkins, RESTful APIs, Pyunit, JSON,

## EXPERIENCE

**Deep Forest Science**

June 2023 – Sep 2023

*Open Source Developer*

*Remote, United States*

- Transformed and streamlined the DeepChem tutorials page by developing a dynamic frontend using React.js and Typescript, integrating Next.js for enhanced performance, resulting in a 30% increase in page load efficiency
- Optimized state management and data flow through Redux, leading to a 35% increase in site responsiveness

**Amdocs**

Oct 2021 - June 2022

*Software Engineer*

*Pune, India*

- Delivered root cause analysis of microservices performance issues utilizing Kubernetes logs & Kafka, Camunda, resulting in a 20% reduction of debugging timescales
- Developed and implemented Python automation scripts, covering 30% of regression and progression test flows, leading to a daily testing time reduction of 2 to 3 hours
- Debugged intricacies within a Java and Python software environment, mitigating 45% of reported defects

**Aasa Technologies**

Oct 2020 - July 2021

*Software Development Engineer*

*Georgetown, TX*

- Led a team of 3 front-end developers in an Agile environment, delivering multiple React.js projects ahead of schedule and receiving client satisfaction ratings of 95% or higher
- Revamped order dashboard using **React.js**, and **Redux** increasing in 20% in user engagement
- Constructed an extensive ui library using React.js comprising of reusable components resulted in a 15% reduction in the time implementing each feature
- Engineered and deployed **RESTful web services**, optimizing communication between front-end and back-end, resulting in a 30% decrease in API response time, significantly enhancing user experience

## PROJECTS

**Kubernetes Pods Autoscaling Using Reinforcement Learning (Link)**

Jan 2023 - March 2023

- Engineered a Reinforcement Machine Learning algorithm to dynamically identify and vertically scale application Kubernetes pods based on traffic patterns, resulting a 20% improvement in system performance
- Utilized **Python** to develop a Q-learning algorithm that dynamically determined the optimal number of pods to scale, resulting in a 40% reduction in resource waste and a 25% improvement in application responsiveness

**Employee Management System**

May 2018 – May 2020

- Implemented a Java-based microservice using **Spring Boot**, and deployed on an **AWS EC2** instance, demonstrating expertise in **Java**, Spring Boot, cloud deployment and Coded front-end web pages using **React.js**

**Amazon Clone(Personal Project Link)**

May 2018 – May 2020

- Coded an Amazon clone using **React** as a front-end framework with other libraries and technologies such as **Redux**, **NextAuth**, **NextJs**, and **Firebase**, resulting in a responsive Amazon Clone

## ASSISTANTSHIPS

**Teaching Assistantship, University Of California, Riverside**

Jan 2023 - March 2023

- Teaching and Mentoring Students to develop Logic and code for real world problem in CS-120A LAB (Computer Science)