

Akshay Kumar Pendyala

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Summary

Software Engineer with two years of experience and a solid foundation in Java and J2EE, skilled in developing and maintaining web applications. Demonstrated success in improving system performance and security while managing the full development cycle. Proven ability to collaborate effectively using agile practices and to address technical challenges from design through deployment.

EDUCATION

California State University, East Bay

Aug 2023 - May 2025

Master of Science, Computer Science

- **Coursework:** Machine Learning, Operating Systems, Advance Algorithms, Theory of Computation, Cloud Computing, Web Technologies, Cybersecurity

Sreenidhi Institute of Science and Technology

Aug 2017 - Jul 2021

Bachelor of Technology, Computer Science and Engineering

- **Coursework:** Operating Systems, Design and analysis of Algorithms, Theory of Computation, Cloud Computing, Web Technologies, Cybersecurity, Data Structures, DBMS, Java, Python, C, Data warehousing and data mining

WORK EXPERIENCE

Infosys

Jul 2021 - Jun 2023

Software Engineer

- Migrated a critical reporting tool from IBM Alphablox to native HTML, CSS, and JavaScript, improving system performance and reducing maintenance overhead for a team of 10.
- Developed dynamic client reports using Ext.js, streamlining financial transaction processing for \$1B+ in assets while incorporating MVC Architecture principles.
- Enhanced application security by mitigating vulnerabilities such as SQL Injection, XSS, and CSRF attacks identified through Checkmarx reports, ensuring compliance with industry standards.
- Optimized backend service deployment pipelines with Jenkins CI/CD, elevating code quality and reducing regression issues by 40% through proactive testing and vulnerability checks.
- Engineered performance enhancements for 10+ mission-critical systems by optimizing data processing workflows and reinforcing reliable backend operations, demonstrating effective object-oriented programming practices.
- Designed and implemented a financial data aggregation feature using Java, Ext.js, and Oracle Essbase, effectively reducing manual reporting efforts by 60%.
- Mentored 6 new team members by providing comprehensive training on internal applications and best practices, accelerating their transition from trainees to full-time contributors.

Scytale Alpha Private Limited

Dec 2020 - Jan 2021

Software Engineer

- Analyzed client requirements to identify and resolve 10+ key UX/UI issues, improving overall user engagement and interface effectiveness.
- Enhanced website responsiveness using Bootstrap, achieving seamless performance across devices and boosting mobile traffic.
- Automated data collection processes by integrating a form submission system with the Google Spreadsheets API, thereby improving operational efficiency.
- Revamped the company's website, leading to a 60% increase in page views and enhanced brand visibility.

Crio.Do

Feb 2020 - Apr 2020

Software Engineer Intern

- Developed a mobile application that analyzes food images using computer vision techniques to generate descriptive tags, demonstrating the effective application of advanced programming skills.
- Integrated API functionalities to automate posting of image details on Facebook and uploading photos to Pinterest, showcasing proficiency in RESTful APIs and streamlined backend integrations.

PROJECTS

LinkedIn Job Feedback Summarizer

- Designed and deployed an API-driven feedback system using AWS EC2 and S3, enabling real-time submission and retrieval of job-related feedback with efficient JSON-based data storage.
- Implemented a BART model to summarise user feedback, enhancing the decision-making process for job seekers through concise, data-driven insights in the Chrome extension.

Book Recommender System

- An Online bookstore built using HTML, CSS, JavaScript, Flask that shows all the available books, users can search for books, give ratings, add books to cart, purchase books.
- The recommender system is developed using a KNN model that takes in ratings given by user, interests and suggests books to users.
- There is also a dashboard for sellers to see the analytics of the sales.

SKILLS

- **Programming Languages:** C, C++, Java, Python, Go, JavaScript, SQL, PHP
- **Databases:** MySQL, Oracle DB, Oracle Essbase, Teradata DB, IBM DB2, Amazon RDS, NoSQL, MongoDB
- **Frameworks:** React.js, Ext.js, Node.js, Express.js, Flask, Bootstrap
- **Dev Tools:** Postman, Jenkins, GitHub, Git, Heroku, Netlify, AWS, Google Firebase, Apache, Tableau, Docker, Visual Studio, Checkmarx, AGILE, JFrog, RESTful APIs, Cloud services
- **Architecture And Security:** OAuth, Microservices Architecture, Cloud Architecture, MVC Architecture