Akshay Kumar Pendyala

Hayward, CA, 94542 | +1-510-459-1836 | pendyala.akshay1999@gmail.com | LinkedIn | GitHub

SUMMARY

Experienced Software Engineer with 2 years of expertise in Python and Java, specialising in developing scalable, distributed applications. Successfully designed robust software infrastructure supporting thousands of users and managing billion-dollar financial reports. Proficient in writing clean, automated, and tested code, with a solid foundation in agile practices and full-cycle software development. Known for delivering high-quality solutions that enhance performance and efficiency.

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
- Spearheaded the migration of a financial reporting dashboard that aggregates data from various sources. Various departments within the company utilise this system and have reduced manual work by 90%.
- Enhanced application security by mitigating vulnerabilities such as SQL Injection, XSS, and CSRF attacks identified through Checkmarx reports, ensuring compliance with industry standards such as OWASP.
- Developed a backend service that automates the code deployment with Jenkins CI/CD, elevating code quality and reducing regression issues by 50% through proactive testing and vulnerability checks.
- Rewrote SQL queries for several reports used in applications, resulting in a 40% increase in response time and enhancing application responsiveness.
- 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.
- Automated data collection processes by integrating a form submission system with the Google Spreadsheets API, thereby improving operational efficiency by 80%.
- 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 analyses food images using computer vision techniques to generate descriptive tags, improving user engagement by 30% and providing detailed image descriptions.
- Integrated API functionalities to automate posting of image details on Facebook and uploading photos to Pinterest, effectively reaching thousands of users and boosting social media engagement through efficient RESTful API integrations.

PROJECTS

LinkedIn Job Feedback Summarizer | https://github.com/Akshay6890/LinkedIn-Job-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 | https://github.com/vikasdo/Book-Recommendation-Analysis
- 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, which helps in making a informed decision.
- The project was part of GSSOC'21 and had the opportunity to work with several other members from across the country.

SKILLS

- **Programming Languages**: Java, Python, JavaScript, SQL, PHP
- **Databases**: MySQL, Oracle DB, Oracle Essbase, Teradata DB, 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
- **Architecture And Security**: OAuth, Microservices Architecture, MVC Architecture