

AKSHAY KUMAR PENDYALA

Software Engineer

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Summary

Dedicated and innovative Software Engineer with a proven track record of two years in spearheading the development of dynamic web applications and robust backend systems. Proficient in crafting clean, efficient code that not only meets project requirements but also ensures ease of maintenance and streamlined troubleshooting. Possessing a strong commitment to staying abreast of emerging technologies, I thrive in both remote and office environments, adapting seamlessly to meet the diverse needs of the company. A collaborative team player with a passion for delivering high-quality, scalable solutions in line with business objectives and user needs.

Education

California State University, East Bay Masters in Computer Science GPA: 3.6 / 4.0	Hayward, CA 2023 - Present
Sreenidhi Institute of Science and Technology Bachelor of Technology, Computer Science and Engineering GPA: 3.6 / 4.0	Hyderabad 2017 - 2021
Sri Chaitanya Junior Kalasala Science GPA: 4.0 / 4.0	Hyderabad 2015 - 2017
Narayana Concept School Science GPA: 4.0 / 4.0	Hyderabad 2014 - 2015

PROFESSIONAL EXPERIENCE

Infosys Senior Systems Engineer	Hyderabad 2022 - 2023
<ul style="list-style-type: none">Scripted unique test plans, test scripts and processes to remove previously known redundancy by 40% and ensured predictable outcomes.Collaborated closely with clients to assess requirements and craft bespoke software and hardware solutions, resulting in a remarkable 20% reduction in task completion time, significantly enhancing operational efficiency and productivity.Led the development of a comprehensive Reporting tool that aggregated metrics from diverse departments, presenting the data through a centralized dashboard. This initiative notably improved clients' real-time access to critical day-to-day data, enabling informed decision-making with greater efficiency.Conducted thorough root cause analyses to identify and resolve production issues swiftly, ensuring minimal disruption to operations and maintaining high system reliability.Took charge of analyzing security logs to proactively identify and mitigate network threats, ensuring robust network security and minimizing vulnerabilities.Ensured the seamless implementation of new systems by rigorously testing for accuracy and functionality, guaranteeing a smooth transition without operational disruptions.	
Infosys Associate Systems Engineer	Hyderabad 2021 - 2022
<ul style="list-style-type: none">Played a vital role in implementing a critical feature request for one of the applications used by our client.Actively took part in security checkup of the applications I was responsible for and ensured that best practices were being used when a new release is made.Rated with the best annual performance rating for all the years during my stint; given to top ~5% employees.Played a pivotal role in mentoring new team members, imparting in-depth knowledge about the applications and their functionalities, contributing to the team's overall skill enhancement and fostering a collaborative work environment.	
Infochord Technologies Pvt Ltd Web Development Intern	Hyderabad 2019 - 2019
<ul style="list-style-type: none">Learnt about how to develop CRUD applications.Troubleshoot and debugged code ensuring compatibility with devices, browsers and operating systems.Developed user interfaces with modern JavaScript frameworks, HTML5 and CSS3.Worked closely with developers on creating new code.Created mini projects as a part of daily task and a Major App at the end of Internship.	

SKILLS

Java · C++ · Python · JavaScript · SQL · PHP · Firebase · HTML5 · CSS3 · Bootstrap · React · Express.js · API Development · Linux · Postman · Debugging · Version Control · MySQL · Office 365 · Hyperion Essbase · Teradata · Warehousing · Shell Scripting · OAuth 2.0

PROJECTS

Smart Social Distancing

Hyderabad

05/2021 - 06/2021

- An application has been developed utilizing Python along with OpenCV for video processing and the YOLOv3 object recognition library to analyse a live video stream from a CCTV camera.
- This application aims to detect individuals within frames and delineate boundaries around them based on the determined distance between two or more individuals.
- The primary objective is to assist in adhering to social distancing measures.
- Additionally, a user interface using Tkinter has been integrated to facilitate the observation of the processed footage.

Book Recommendation Analysis

Hyderabad

10/2020 - 11/2020

- A Website for both retailers and readers, readers will get personalized recommendation based on their interaction and retailers will have a dashboard that gives an insight of what books are being sold/popular.
- Built using AJAX, HTML and CSS for front end, and it used Machine Learning model to recommend books, and Python is used for backend.

House Price Prediction

Hyderabad

11/2019 - 12/2019

- This app can predict the house price based on some features such as BHK, Sq. Ft., Location, built using python.
- Uses a Machine Learning Model in the backend and also uses MySQL database to store the user data.

ACHIEVEMENTS

Security Award

Received formal recognition and an award for proactively upholding the security integrity of the applications utilized by our esteemed client.

CSHACK2020

During a hackathon organized by our college, our team diligently collected data and trained a sophisticated model designed to accurately detect the emotional tone of input text. Our collective efforts culminated in achieving third place in the competition.

KEY MILESTONES

Spearheaded a \$12M software project

Worked as a core developer in a migration project that is of very critical use to the clients.

30% improved query efficiency

Had re-written several queries used in client applications to improve efficiency and handled existing data issues.

Coordinated a year-long support for several applications

Worked closely with the clients to improve upon the existing systems and also implementing new features based on requirement.