

Aakash Kumar

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EDUCATION

Lovely Professional University

Bachelor of Technology in Computer Science & Engineering, Minor in Full Stack

Punjab, India

08/2018 – 8/2022

EXPERIENCE

Associate Software Development Engineer

Clover Bay Technologies

06/2022 – Present

Bengaluru, India

- Contributed to the development of an e-commerce platform using Reactive Spring Boot, Couchbase, Kafka, and Redis in microservices. Changed user flow resulted in a 20% increase in order conversion. AWS's ECS and EC2 for enhanced uptime. With a robust 90% test coverage, reduced production defects to under 5%
- Streamlined the system using APIs to automate booking line items, effectively replacing a cumbersome manual process that was both time-consuming and error-prone, resulting in a 10% improvement in customer satisfaction
- Developed async APIs using python and google cloud for businesses to handle bulk product operations, reducing processing time by 50% and saving 10 hours per week for each business

Machine Learning Intern

Highradius Corporation

08/2021 – 05/2022

Bhubaneswar, India

- I crafted a payment prediction model utilizing diverse machine-learning algorithms such as random forest and XGBoost. This initiative significantly enhanced cash flow management by precisely forecasting payment dates, boasting an 80% accuracy rate measured against a 5-day metric for a saas platform
- Leveraged Python libraries including Pandas, NumPy, Seaborn, and Matplotlib for comprehensive data analysis, visualization, pattern identification, and insights generation on a vast 20 million+ dataset

PROJECTS

Ecommerce Microservices

Spring Boot, Spring Cloud, Netflix Eureka, API Gateway, Keycloak, Resilience4j, Kafka

03/2023

- Implemented a real-time e-commerce micro-services project using Spring Boot, Spring Cloud, Kafka, and Netflix Eureka for service discovery, resulting in a 30% reduction in development time
- in API Gateway using Spring Cloud Gateway for efficient routing and request handling, with a 99.9% uptime
- secured micro services with Keycloak for authentication and authorization with 10% improvement in flow.
- resilience4j for implementing circuit breaker pattern and distributed tracing using Kafka for fault tolerance and monitoring resulting in a 20% increase in throughput

AI ENABLED B2B INVOICE MANAGEMENT SYSTEM

Java Servlet, Python, Machine Learning MySQL, JavaScript

08/2021

- Created an AI-enabled B2B invoice management full stack system using Java Servlet, MySQL, HTML, CSS, JavaScript, JQuery, and Tomcat
- Utilized regression models to predict data with a mean squared error (MSE) of 10, processing over 50,000 data sets
- Implemented a user interface with features such as pagination, editing of editable fields, adding new rows to the grid, and deleting rows from the grid

RECOMMENDATION SYSTEM

Python, sci-kit-learn

05/2020

- Built a recommendation system using Python and sci-kit-learn library to suggest new movies based on their similarity to a user's favorite films
- Scraped 5000+ movies data from IMDB and used Count-Vectorizer and cosine similarity to calculate similarity scores between movies
- Built a user-friendly GUI to display the recommended movies and allow users to interact with the system

SKILLS

Languages: Java, Python, C/C++, SQL (Postgres, MySQL), JavaScript, HTML/CSS, Nosql

Frameworks: Spring Boot, FastAPI, Sanic, Apache Kafka React, Node.js, Flask, JUnit, Material-UI, React

others: AWS, google cloud, Git, Docker, Jenkins, Mockito, Grafana, prometheus, pandas, NumPy, Matplotlib, Agile