Akash Darji

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 https://github.com/Akashdarj | in https://www.linkedin.com/in/akash-darji-380a64237/

Education

University of East London, UK Sep 2024 – Sep 2025
Master of Science in Computer Science pursuing
Relevant Coursework: Cloud Computing, Distributed Database Systems, Foundations of Algorithms

Sardar Patel College of Engineering, India May 2019 – May 2023
Bachelor of Engineering in Computer Engineering CGPA: 10/7.68

Skills

Languages: Python, Java, JavaScript, C, C++, HTML/CSS,

Databases: MySQL, PostgreSQL, MongoDB

Libraries: NumPy, Pandas, OpenCV

Frameworks: Flask, Django, Node.js, Keras, TensorFlow, PyTorch, Bootstrap, Apache Beam

Tools & Technologies: Git, Docker, AWS, GCP, Heroku, JIRA

Experience

Raj Barcode Systems Pvt Ltd May 2022 – Aug 2022
Software Engineer
- Developed and managed the frontend and backend of multiple web applications using HTML, CSS, JavaScript, and Python (Flask/Django), providing a seamless user experience and efficient functionality..
- Built dynamic, responsive web pages using HTML and CSS, ensuring compatibility across multiple browsers and devices. Integrated interactive features and client-side functionality with JavaScript.Improved the response time by 20% by refactoring the codebase and changing database design and queries.
- Designed and implemented Java-based microservices for handling background tasks, data processing, and integration with third-party services.
- Integrated third-party APIs using JavaScript and Python to provide external functionalities, such as payment processing and social media sharing.
- Enhanced data processing speed by refactoring inefficient JavaScript algorithms and improving Python database queries.
- Added a bulk upload feature which reduced the manual work of adding products into a database.

Webbrains Technologies Private Ltd Sep 2022 – May 2023
Business Analyst
- Analyzed and optimized business processes by gathering requirements, performing gap analysis, and creating detailed reports that enabled key stakeholders to make informed decisions.Devised a customized recursion algorithm to extend the functionality of the current environment to a multi-robot and multi-system environment.
- Developed business models and workflows that improved operational efficiency, resulting in a 15% increase in productivity across multiple departments.
- Collaborated with cross-functional teams to design and implement data-driven solutions that addressed business challenges and provided measurable improvements.
- Worked with stakeholders to identify business requirements, define project scope, and translate them into actionable tasks for development teams.
- Developed dashboards and KPIs to measure the effectiveness of business initiatives and optimize decision-making across various departments.
- Led workshops and presentations to train internal teams on new processes and systems, enhancing overall team performance and understanding of business goals.

Engineering College , Tuwa Dec 2023 – Aug 2024
Lecturer
- Delivered engaging lectures on [specific subjects], utilizing various teaching methods, including lectures, discussions, and interactive activities, to ensure effective knowledge transfer and student engagement.
- Developed and updated course materials, including syllabi, assignments, and quizzes, ensuring content remained current with industry standards and academic developments.
- Facilitated student learning by providing personalized guidance during office hours, addressing individual concerns, and offering constructive feedback on assignments and exams.
- Designed and implemented assessments that accurately evaluated student understanding, fostering a fair and comprehensive evaluation process.
- Organized and led seminars and workshops, inviting guest speakers and industry professionals to enrich the students' educational experience with real-world insights.
- Monitored student progress, identifying those who required additional assistance and providing targeted interventions to improve learning outcomes.
- Encouraged critical thinking and problem-solving by creating an inclusive classroom environment where students felt comfortable discussing complex topics and expressing their viewpoints.

Projects

Twitter Sentiment Analyzer March 2022 – April 2022

Python, Django, GCP (GAE, Pub/Sub, BigQuery, DataFlow), HTML/CSS

- Developed an elastic web application using Google Cloud Platform APIs which provides sentiment analysis of trending songs and movies by extracting top trending tweets; utilized Google App Engine for deployment and auto-scaling.
- Implemented the load generator to test the scalability of the application by generating 500 concurrent requests and 15000 user requests using Apache Beam.

Image Recognition as a Service February 2023 – April2023

JavaScript, Node.js, Java, AWS (EC2, SQS, S3), HTML/CSS

- Architected an elastic image recognition web service that can autoscale up to 20 EC2 instances; created custom AMIs to get image classification result; used SQS to handle request and response.
- Built a custom load balancer which improved the performance by 80% by using queuing mechanism.
- Tested the implementation of auto-scaling and load balancing by generating 1000 requests.

Music Streaming Web App May 2023 – June 2023

Python, Django, Bootstrap, AWS (S3), Heroku, HTML/CSS

- Coded and deployed full-stack web app incorporating features like OAuth-based login/sign up, play songs, view detail of song, view recently played songs, create multiple playlists, and search and filter songs based on singers and languages.