

Curriculum Vitae

Akshay Daundkar

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EDUCATION

DR.D.Y.Patil Institute of technology (DYPIET)

Aug 2017 – May 2021

Bachelor of Engineering in Computer Engineering, GPA - 8.91/10

Pune, India

Relevant Coursework: Data Structures and Algorithms, Advanced Data Structures, Design and Analysis of Algorithms, Database Management Systems, Operating Systems, Software Engineering & Project Management, Data Analytics, High Performance Computing, Data Mining & Warehousing, Machine Learning, Artificial Intelligence, Cyber Security, etc.

EXPERIENCE Zinnia (formerly SE2, LLC) Aug 2021 – Current

Associate Software Engineer | Java, Angular, RESTful Web Services, Oracle Database, AWS Pune, India

- Designed and implemented large-scale Web Service APIs for the Policy Administration product using Java, Spring Boot, RESTful Web Services, Oracle database, and AWS in a microservices architecture
- Designed and implemented a data processing framework to process large volumes of insurance policy data, aggregate the data and identify insights from the data to drive business decisions
- Collaborated with cross-functional teams from engineering, product and finance to understand business requirements and implement new features and develop in-house technology-based solutions

Zensar Solutions

Jul 2020 – Nov 2020

Software Engineering Intern | Java, Kubernetes, Spring Boot, Shell Scripts, Cosine Similarity Algorithms

Pune, India

- Created an Automatic Anomaly Detection System for a distributed environment using Java, Kubernetes, and Shell Scripts, reducing the time and effort spent on finding the root cause of failure and its analysis by over 70%
- Developed architecture components to read data from distributed data sources, normalize the data, apply Cosine Similarity algorithms and detect patterns relating to anomalies in the system

ACADEMIC PROJECTS

Aug 2020 – May 2021

Distributed Financial Transaction Processing System | Apache Kafka, Cassandra, Java

- Worked on an industry-sponsored research project with Yellowjackets Technologies to create a distributed system to process financial transactions
- The transaction processing system provides the ability to process a large number of financial transactions on a distributed cluster using Kafka, Web Services (REST), Spark, Docker and related technologies.

Predictive Modelling Using Classification Models | Python, Matplotlib, NumPy

Jul 2020 – Oct 2020

- Designed and implemented a framework for predicting the probability of a user liking a product or service
- Implemented data processing to convert raw data into normalized datasets to be used for data classification
- Performed predictive modelling by applying three classification models: Random Forest Classifier, Logistic Regression and Gaussian Naive Bayes Classifier

Android Application | Java, Android Studio

Jan 2020 – Apr 2020

- Designed and developed a learning application that teaches data science and machine learning in user interactive way, the application is published on the Play store and has 10k+ downloads
- Application has Quizzes, compilers, Books, and notes taking sessions with progress tracking and recommendation

SKILLS

- **Programming Languages:** Java, Python, Scala, C, C++
- **Database Technologies:** MySQL, Cassandra, MongoDB, Postgres, Microsoft SQL Server, Oracle Database
- **Web Technologies:** Web Services (REST), Angular, React, HTML, CSS, JavaScript, ReactJS, AngularJS, NodeJS
- **Other Technologies:** Apache Kafka, Apache Spark, Git, Agile Methodology, Android SDK, Unix
- **Soft Skills:** Communication, Collaboration, Leadership, Critical Thinking, Problem-Solving, Adaptability, Accountability

CERTIFICATIONS

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|---|---------------------------|
| • AWS Cloud Practitioner | AWS -June 2021 |
| • Meta Full Stack Professional Certificate | Coursera -Jan 2022 |
| • Industrial IoT with google cloud | GCP -June 2020 |
| • The complete Web development Certification | Udemy -Nov -2021 |