

Anand Lakshmanan

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Location-Chennai

Career Profile

Having attained a postgraduate degree in data science and computational intelligence with distinction, I've spent the past three years developing a passion for Spring Boot development. I excel at building secure, high-performance APIs. In one project, I led the creation of a 30-API suite for a major banking product. This project honed my ability to craft scalable solutions using complex SQL queries and troubleshoot complex issues. I consistently delivered projects on time and within budget. This experience has equipped me with a robust skill set to excel in a dynamic, fast-paced environment where I can leverage my data science background alongside my development expertise.

Education

Coventry University - Coventry (United Kingdom)

Sep 2022 – Sep 2024

MSc-Data Science and Computational Intelligence - Distinction

Government College of Technology - Coimbatore (India)

Jun 2015-Apr 2019

Bachelor's in information technologies - First Class

Professional Skills

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|------------------------|--------------|-------------------------|
| • Java | • Maven | • CI/CD |
| • Spring Boot | • Docker | • GitHub |
| • Hibernate | • PostgreSQL | • Design Pattern |
| • Microservice | • MySQL | • Unix/Linux |
| • RESTful APIs | • GitLab | • Problem solving Skill |
| • GCP (Cloud Engineer) | • Kubernetes | |

University Projects

Dissertation Project: Pose-Driven Exercise Performance Scoring with ANN.

Jun 2023-Aug 2023

Tools and Technologies Used: Mediapipe Library, ConvLSTM2D, R (2+1) D Model Architectures, Data Pre-processing, Early Stopping Mechanisms, Performance Evaluation Metrics.

Outcome: Implementing advanced model architectures and leveraging the Mediapipe library for precise posture estimation achieved superior exercise performance evaluation compared to traditional methods, thereby advancing human movement dynamics.

Work Experience

Tata Consultancy Services Ltd (Java Developer)

Aug 2019 –present

- Actively participated in Agile methodologies, contributing to 10% of project planning and execution, fostering effective team communication and alignment with project objectives.
- Engaged in discussions with project managers and team leads to define project scopes and provide accurate schedule estimates, showcasing strong communication and coordination skills within the team.
- Supported development and operational team members by offering guidance and assistance, contributing to team productivity.
- Played a pivotal role in engineering scalable RESTful APIs with Spring Boot and Hibernate, contributing to 50% of project implementation, and showcasing proficiency in backend development.
- Demonstrated proficiency in Java OOP principles to ensure robust, maintainable code, accounting for 5% of the project's codebase, along with strong knowledge of multi-threading and high-volume server-side development.
- Participated in Behaviour-Driven Development (BDD) environments to ensure that the software meets business requirements and produces reliable and thoroughly tested code, contributing to a culture of quality within the development process.
- Managed PostgreSQL databases to maintain data integrity and optimize performance, showcasing proficiency in database operations and supporting project requirements.
- Contributed to the deployment of GCP for cloud infrastructure, assisting in maximizing performance and scalability, and supporting 15% of cloud architecture, demonstrating familiarity with cloud technologies.

- Supported Docker containerization initiatives for seamless deployment, contributing to 10% of deployment strategy, enhancing project scalability and deployment efficiency.
- Assisted in implementing CI/CD pipelines with GitLab to streamline testing and deployment processes, supporting 15% of deployment automation, enhancing project agility and efficiency.

Certifications

- Building microservices in Spring Boot and Spring Cloud. (Udemy)
- Proficient in Spring Boot and Hibernate. (Udemy)
- Completed Machine Learning course, (Udemy).
- Google Cloud Platform (Cloud Engineer). (Udemy).