

# ADITYA BICHAVE

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## BRIEF SUMMARY

I am a skilled Software Engineer with **3+ years experience** in building large-scale, scalable, **distributed systems**. Proficient in **Python, Java, Golang, Big-Data, Django, Spring Boot, SQL, Docker, AWS**. Effective communicator, able to work independently or collaboratively with stakeholders. Seeking opportunities to leverage experience for positive organizational impact

## EDUCATION

**Bachelor of Computer Science**, Pune University

2017 - 2021

Course: Computer Science

CGPA: 9.1/10

Relevant Courses: Algorithms, Data Structures, Object-Oriented software development process, Java, Python, Operating Systems, Database Management Systems, Distributed Systems, Network Security, Big data

## SKILLS

<b>Technical Skills</b>	Django, Springboot, Rest API, AWS, GCP, PyTorch
<b>Database:</b>	SQL, MySQL, NoSQL, MongoDB, Vertica, Redis, Aerospike, postgresql
<b>Programming</b>	Python, Java, Golang, C++
<b>Miscellaneous</b>	Docker, Microservices, Distributed System, Cloud services, Agile, Git, Machine Learning, Rest API, Deep Learning, NLP, AI

## EXPERIENCE

**Software Engineer 2**, EPAM

July 2024 - current

*Banagalore, Karnataka*

**Software Engineer 2**, Sandvine

Oct 2021 - June 2024

*Bangalore, Karnataka*

- **IBCM**: Developed an innovative in-house distributed systems Intent-Based Congestion Management (IBCM), optimizing performance and enhancing **Quality of Experience (QoE)** which helped **reduce network congestion by 15%**.
- **Perf**: Optimized existing codebase for **60% performance** scalability, leveraging strong analytical skills.
- **OCE**: Designed high-level and low-level architecture for **Real-time** Link Bandwidth Estimation, **increasing revenue by \$250K quarterly per license**. Led this project and received a **performance champion award**.
- **Database**: Took ownership of database optimization, Designing and implementing Database Async Writer feature for **30% performance improvement** in IBCM and OCE. used **SQL** (vertica) for storage and **Redis** for Caching for faster data access. Used **Big Data** concepts for more optimized Data Storage, Data ingestion and Data Processing.
- **Load Balancing**: Developed a distributed system for load balancing to **scale and increase** the product's processing capability by **25%**. Designed and Implemented support for **Cloud Deployment** with multi-cluster multi-node **High availability** setup
- **Infra**: Led codebase **migration** for major system, achieving **4X performance** improvement. Spearheaded this initiative by **Mentoring and guiding** achieving efficient memory usage and scaled performance
- **Features**: Led development of key features including Real-time Operational capacity estimation, Async Database Writer Service, High Availability, Geo Redundancy, Multi-Cluster Support, and Licensing by Subscriber Count, among others by Leveraging Rest API, Aerospike, and Microservice concepts.
- **Customers**: Supported customer-facing and cross-functional teams in deploying, designing and implementing POC to enhance the product experience.

**Software Development Engineer Test**, Pubmatic

Jun 2021 - Oct 2021

*Pune, Maharashtra*

- Automated Ad revenue monetization testing pipeline, Enhanced debugging skills through troubleshooting
- Adapted quickly to new technologies and methodologies in the fast-paced AdTech sector

## PROJECTS

**Grid Compression Using autoencoders**. A solutions to store the mechanical projects of 5-6 TB by compressing  
**Space Detection In Floor Plan DL**. A solutions to help the government body to rectify and find issues.

**Eyantra Homecoming Project Hackathon.** DL computer vision project which led to qualification for the competition organized by IIT-Bombay.

## ACHIEVEMENTS

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**Published Patent** App for providing corona vaccine in efficient way

**Won Hackathon** Won annual hackathon in Sandvine for automating Setting up the MAE environment based on configuration.

**Eyantra Finalist, IIT bombay.** Awarded for qualifying for finals for deep learning competition organized by IIT Bombay.