

AJIT ACHARYA RAVI PRASAD

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Skills and Tools

- C | C++ | GoLang | Python | Java | Data Structures | Algorithms | HTML | CSS | Git | Docker | Kubernetes | CI/CD - Jenkins | Linux |
- PostgreSQL | MySQL | Networking | Prometheus | Postman | VS Code | RestAPI | Testing | Cloud Computing | AWS - EC2, RDS, EKS
- Microservices | Django Web Framework | DevOps | Agile Development | DBMS | Design | Documentation | Spring Boot | Jira

Experience

Maplelabs Solutions Private Limited

Bengaluru, IN

Associate Software Engineer

June 2022 - June 2023

- As a part of the development team, designed and enhanced features for **Snappyflow Go agent**, improving application monitoring, enabling real-time insights and leading customers to reduction in critical issues.
- Designed and built monitoring plugins and user friendly dashboards for **PostgreSQL, MySQL, Docker**, and **PgBouncer**, resulting in **15% increase in revenue**.
- Optimized data collection by analyzing metrics and logs, **reducing ingestion rate by 30%** to the datastore and **25% storage cost savings**.
- Prototyped a POC for Node.js application monitoring within **AWS ECS**.
- Participated actively in product design reviews, contributing to **design decisions, functional requirements** and **effort estimation**.
- Engineered solutions for critical bugs impacting functionality through code analysis, saving the company's downtime costs.
- Demonstrated strong interpersonal skills by collaborating effectively with peers from different backgrounds and cultures during **team-building activities**.

Software Engineer Intern

Jan 2022 - May 2022

- Designed and developed the **sizing and pricing estimation** feature for on premise deployment of APM software using Python (**Django**) and **AWS Boto3** package. This feature dynamically calculates costs based on customer-specified retention period and data ingestion rate.
- Contributed actively to code quality through peer **code reviews** and maintained comprehensive **documentation** for the developed features.

Education

Bachelor of Engineering - Computer Science and Engineering

2018 - 2022

Bannari Amman Institute of Technology , Sathyamangalam

CGPA - 9.54

Certifications

- Cisco CCNAv7 Introduction to Networks - [CISCO](#)
- Computer Networks and Internet Protocol - [NPTEL \(IIT Kharagpur\)](#)
- Social Networks - [NPTEL \(IIT Madras\)](#)

Projects

Bus ticket booking application:

Architected and developed a scalable online bus ticket booking web application using **Java Spring Boot**.

Utilized **JDBC** to establish seamless communication between the application and a **MySQL** database, ensuring data integrity for booking transactions. Implemented functionalities for ticket booking with secure payment processing, and reservation management, streamlining the booking process.

Identity verification System using Facial Recognition:

Built a **Django** app for passport verification with facial recognition. Extracted passport data using **OCR-Tesseract** and verified user identity via live camera input. Implemented secure user access, data storage, and efficient processing using Django

Leadership and Volunteering activities

- Collaborated with youth-driven NGO Way For Life in creating 53 solar lamps that replace traditional kerosene lamps (2023)
- Served as a Student Mentor in CodeCircle club, organizing orientation events and mentoring the institute freshmen (2019-2022)
- Taught schoolchildren from marginalized communities in Sathyamangalam town and helped them clean their campus (2018-2022)