

SUMMARY

I am a Software Engineer with 4+ years of experience, I have a strong background in software development, system design, administration, and automation. I am deeply passionate about innovation and growth, with strong expertise in SDLC, infrastructure as code, continuous integration, delivery, and containerization. Additionally, I have strong communication and collaboration skills which makes me an amazing team player.

EDUCATION

National Institute of Technology, Tiruchirappalli

Master's of Technology

SGSITS, Indore

Bachelor's of Engineering

Tamil Nadu, India

July 2018 - April 2020

Madhya Pradesh, India

July 2014 - April 2018

SKILLS

- **Languages:** Python, JAVA, Golang
- **Cloud Technologies:** Aws, Azure
- **Frameworks:** Docker, Kubernetes, Spring Boot
- **Tools:** GIT, Jenkins, SonarQube, Argocd, Grafana
- **Platforms:** PyCharm, Jupyter Notebook, Visual Studio Code, IntelliJ
- **Development and Design** OOPs, TDD, Agile, Solid Principles, Scalable System Design
- **Soft Skills:** Problem Solving, Strong Stakeholder management, People Management, Excellent communication

WORK EXPERIENCE

Senior Software Developer | SAP Labs, India

Sept 2023 - Present

- **Enabled automated provisioning and seamless integration** across all SAP products using **Golang operators**, empowering customers to onboard almost instantly following their purchase reducing 90% of manual provisioning.
- Led the setup of end-to-end pipelines and development clusters for operators, ensuring smooth and efficient **CICD** processes by reducing 90% of CICD time.
- Implemented validation webhooks in **Golang** to assess the behavior of resources before executing business logic which improves reliability by reducing 80% of potential issues.
- **Tech Stack** : Golang, CICD, Kubernetes, SonarQube, Grafana, Helm, Argocd

Software Engineer | SAP Labs, India

July 2020 - Aug 2023

- **Designed and Deployed** an Observability stack with **Kafka, Fluent Bit, Event Exporter, Logstash, and OpenSearch** in engineering environments, leading to a significant 40% reduction in Mean Time to Resolution (MTTR).
- Implemented Infrastructure automation for **one-click automation** project, including **Consul, Vault, Apigee setup and microservices**, capable of building the entire cluster with microservices in less than one hour
- Deployed SuccessFactors mobile application to **kubernetes** from docker compose infra and automated the entire release process.
- Developed a framework capable of automatically validating end-to-end OS patching for various SuccessFactors modules using **Jenkins, Shell script, and Python**, thereby reducing manual effort by 70%.

Software Developer Intern | SAP Labs, India

Jan 2020 - July 2020

- Developed a framework capable of performing automatic end-to-end testing for existing bots using **Node.js, Python, RobotFramework, and the Selenium Library**, thereby reducing manual testing time by 95%. Implemented process improvements and automation solutions, resulting in 15% increase in productivity.
- Automated Hana license renewal process using **java and shell script** which reduces 95% of manual effort.

PROJECTS

Learning summary prior representation for extractive summarization | NIT,Trichy

July 2019 - Dec 2019

- **Developed a novel summarization system, PriorSum**, utilizing enhanced **CNN** to capture summary prior features from length-variable phrases. Integrated these features with document-dependent features in a regression framework for sentence ranking, achieving superior performance on DUC generic summarization benchmarks compared to state-of-the-art baselines.
- Successfully implemented project on extractive summarization to generate effective summaries on DUC Dataset with **ROUGE-1 and ROUGE-2 Score as 35.57 and 10.07**. Managed data integrity by handling missing values and encoding categorical variables, enhancing quality by 33%.

Event Based extractive Summarization using external linguistic resource | NiT, Trichy

April 2019 - July 2019

- **Developed an event-based summarization** system to improve sentence selection and organization by identifying key events and sub-events using **external linguistic** resources such as **VerbOcean** to derive event relevance.
- Applied the **PageRank** algorithm to rank event significance based on semantic relevance. Achieved performance improvements over traditional tf*idf methods on **DUC 2001** test data.
- Improved summarization performance by integrating named entities with high-frequency nouns, achieving an increase in **ROUGE-1** score from **0.33320** to **0.34859**, **ROUGE-2** score from **0.06260** to **0.07157**, and **ROUGE-W** score from **0.12965** to **0.13471**.

Classroom Attendance System Using Face Recognition

July 2017 - April 2018

- **Developed and implemented** an automated classroom attendance system using **face recognition technology**, eliminating the need for manual attendance tracking.
 - Utilized **OpenCV** and **deep learning-based algorithms** to detect and recognize student faces in real-time.
 - Improved accuracy by integrating **pre-trained convolutional neural networks (CNNs)** for face detection and recognition.
 - Designed a **user-friendly interface** for both students and instructors, enabling seamless attendance monitoring.
 - Enhanced security by implementing **data encryption** and **secure storage** of attendance records.
 - Achieved **90%+ accuracy** in facial recognition, reducing attendance marking time by **50%**.
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CERTIFICATES

Microsoft Certified: Azure Fundamentals | [CERTIFICATE](#)

March 2023

- Mastered fundamental Python syntax, proficiently utilizing control flow, loops, functions, and data structures.
- Acquired expertise in procedural programming paradigms and associated logical concepts, enhancing capabilities.

Introducing Robotic Process Automation | [CERTIFICATE](#)

Jan 2018

- Learned about the data ecosystem, including the ETL process and big data basics.
 - Mastered data gathering, identification, and cleaning for analysis preparation.
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ACHIEVEMENTS

One Click Automation (OCA)

March 2022

- *Recognized as a Star Performer for developing OCA project which ensured smooth onboarding of microservices to new DCs and reduce manual efforts by 90%. Acquired expertise in procedural programming paradigms and associated logical concepts, enhancing capabilities.*

Volunteered at Code Unnati

Jan 2022

- *Provided career counseling to college students as a volunteer with Code Unnati, empowering them to navigate their professional paths.*