

EDUCATION				
Master of Science: Computer Science		University of Colorado Boulder, USA	4.00 CGPA	05/2025
B.Tech: Information Technology		National Institute of Technology Karnataka, Surathkal	8.45 CGPA	05/2019
SCHOLASTIC ACHIEVEMENTS				
Awards	<ul style="list-style-type: none">Secured second place in Bagalkot district for Class XII examinationReceived Best Outgoing Student award from SC/ST Cell NITK			05/2015 05/2019
Course Work	Data Structures and Algorithms Design and Analysis of Algorithms Big Data Architecture	Software Engineering Data Center Scale Computing Computer Vision	Database Systems Distributed Systems Natural Language Processing	
Skills	C, C++, Python, Java, HTML, CSS, JavaScript, TypeScript, Node.js, SQL, NoSQL, PHP			
Tools and Frameworks	Spring Boot, Pandas, Hadoop, PySpark, GCP, AWS, AEM, Docker, Kubernetes, Jenkins, Redis, MinIO, Firebase, MongoDB, DynamoDB, MySQL, Kafka, RabbitMQ, ZeroMQ, Angular, Ionic, Cordova, Capacitor, GitHub, JIRA			
PROFESSIONAL EXPERIENCE				
Institute for Student-AI Teaming, USA Software Engineer 09/2023 - Present	<ul style="list-style-type: none">Built mechanism to track user actions on Microsoft makecode editor, store it to DynamoDB and provide it to machine learning pipeline to analyse collaboration among users. Deployed service on AWS ECS.Developed AWS lambda that gets triggered on DynamoDB write, and generates AMR graph from the utterances of the user.Responsible for architecting and developing various machine learning pipelines and services over AWS cloud.			
Optum Inc, India Sr. Software Engineer 11/2022 – 04/2023	<ul style="list-style-type: none">Developed a Jenkins DevOps pipeline for automatic code build and deployment on AEM. Reduced manual work by up to 80%.Responsible for creating module that syncs local git with Adobe Cloud Git and notifies the user on deployment status via email, save 100% monitoring time.Built a python tool that compares two websites employing Opencv-Python and Imutils packages. Reduced manual work by up to 90%.			
SAP Labs, India Software Engineer 06/2019 – 11/2022	<ul style="list-style-type: none">Developed cloud-native applications for procurement sector. This required a thorough knowledge of domain driven design and cloud architecture design principles. 100% of on-premise applications were migrated to cloud.Responsible for user interface, database modelling, implementing Kafka based inter-service asynchronous messaging architecture and developing authorization and security using Spring Security framework.Integrated ESRI ArcGIS map service to SAP UI5 version of MRS app using APIs. Increased user experience by 50% in visualizing the current position of the service provider, source to destination routes and travel details (considering live traffic).			
TECHNICAL PROJECTS				
Distributed Video Analyzer (Distributed Systems) 12/2023 – 12/2023 Github link	<ul style="list-style-type: none">Developed a distributed system using the master-worker architecture, in which the master node splits video into smaller chunks and distributes them to worker nodes. Each worker node works on assigned chunks for object detection.Utilized ZeroMQ for efficient analysis of video frames, optimizing data transfer and processing capabilities without loss of frames.Employed Google Compute Engine to proficiently deploy and manage master and worker nodes, ensuring scalable and reliable infrastructure for distributed computing tasks.			
Music Separation System (Distributed Systems) 11/2023 – 11/2023 Github link	<ul style="list-style-type: none">Created a Kubernetes cluster that provides a REST API for automatic music separation service and prepares the different tracks for retrieval.Used Redis as a message broker and MinIO for audio file storage.Deployed services on Google Kubernetes Engine.			
ZwellStar, Equinox Software Applications LLP 02/2022-05/2023 Playstore link	<ul style="list-style-type: none">Established own startup and registered under Ministry of Corporate Affairs India.Built e-commerce and food delivery system with Ionic, Firebase, Node.js and GCP to gain full-stack development experience.Gained experience in submitting the app to the Google Play Store.			
POSITIONS OF RESPONSIBILITY				
Lead, Ordering Stream VW GPS – SAP Labs 03/2022 – 11/2022	<ul style="list-style-type: none">Supervising, monitoring, and handling a team of five members.Responsible for task estimation, design, and deployment.			