

EDUCATION				
Master of Science: <b>Computer Science</b>		University of Colorado Boulder, USA	4.00 CGPA	05/2025
B.Tech: <b>Information Technology</b>		National Institute of Technology Karnataka, Surathkal	8.45 CGPA	05/2019
SCHOLASTIC ACHIEVEMENTS				
Awards	<ul style="list-style-type: none"><li>Secured <b>second place</b> in Bagalkot district for Class XII examination</li><li>Received <b>Best Outgoing Student</b> award from SC/ST Cell NITK</li></ul>			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"><li>Built mechanism to track user actions on Microsoft makecode editor, store it to <b>DynamoDB</b> and provide it to machine learning pipeline to analyse collaboration among users. Deployed service on <b>AWS ECS</b>.</li><li>Developed <b>AWS lambda</b> that gets triggered on DynamoDB write, and generates <b>AMR graph</b> from the utterances of the user.</li><li>Responsible for architecting and developing various <b>machine learning</b> pipelines and services over <b>AWS cloud</b>.</li></ul>			
Optum Inc, India Sr. Software Engineer 11/2022 – 04/2023	<ul style="list-style-type: none"><li>Developed a <b>Jenkins DevOps</b> pipeline for automatic code build and deployment on <b>AEM</b>. Reduced manual work by up to 80%.</li><li>Responsible for creating module that syncs local git with <b>Adobe Cloud Git</b> and notifies the user on deployment status via email, save 100% monitoring time.</li><li>Built a python tool that compares two websites employing <b>Opencv-Python</b> and Imutils packages. Reduced manual work by up to 90%.</li></ul>			
SAP Labs, India Software Engineer 06/2019 – 11/2022	<ul style="list-style-type: none"><li>Developed <b>cloud-native applications</b> 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.</li><li>Responsible for <b>user interface, database modelling</b>, implementing Kafka based inter-service <b>asynchronous messaging architecture</b> and developing <b>authorization and security</b> using Spring Security framework.</li><li>Integrated <b>ESRI ArcGIS</b> 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).</li></ul>			
TECHNICAL PROJECTS				
Distributed Video Analyzer (Distributed Systems) 12/2023 – 12/2023 <a href="#">Github link</a>	<ul style="list-style-type: none"><li>Developed a distributed system using the <b>master-worker architecture</b>, 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.</li><li>Utilized <b>ZeroMQ</b> for efficient analysis of video frames, optimizing data transfer and processing capabilities without loss of frames.</li><li>Employed <b>Google Compute Engine</b> to proficiently deploy and manage master and worker nodes, ensuring scalable and reliable infrastructure for distributed computing tasks.</li></ul>			
Music Separation System (Distributed Systems) 11/2023 – 11/2023 <a href="#">Github link</a>	<ul style="list-style-type: none"><li>Created a <b>Kubernetes</b> cluster that provides a REST API for automatic music separation service and prepares the different tracks for retrieval.</li><li>Used <b>Redis</b> as a message broker and <b>MinIO</b> for audio file storage.</li><li>Deployed services on <b>Google Kubernetes Engine</b>.</li></ul>			
ZwellStar, Equinox Software Applications LLP 02/2022-05/2023 <a href="#">Playstore link</a>	<ul style="list-style-type: none"><li>Established own startup and registered under <b>Ministry of Corporate Affairs India</b>.</li><li>Built e-commerce and food delivery system with Ionic, Firebase, Node.js and GCP to gain full-stack development experience.</li><li>Gained experience in submitting the app to the <b>Google Play Store</b>.</li></ul>			
POSITIONS OF RESPONSIBILITY				
Lead, Ordering Stream VW GPS – SAP Labs 03/2022 – 11/2022	<ul style="list-style-type: none"><li>Supervising, monitoring, and handling a team of five members.</li><li>Responsible for task <b>estimation, design, and deployment</b>.</li></ul>			