

# ADITHYA KRISHNA V SHARMA

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## WORK EXPERIENCE

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### Tensorlake

June '24 - Present

Software Engineer - Frontend

Remote

- Rewrote the Entire OSS Frontend for Indexify
- Improved our re-ranking library for search results from retrieval systems
- Working on building the SaaS offering - Tensorlake Cloud using ShadCN, NextJS App Router and TailwindCSS
- Updated and Implemented New Docs

### Documenso

Dec '23 - June '24

Software Engineer - II

Remote

- Revamped and implemented new mobile headers
- Implemented IANA timezones functionality
- Implemented workflows for managing GitHub organization
- Created custom animations using framer motion

### Red Hat

Nov 2021 - Nov 2023

Software Engineer

Bengaluru - Remote

- Promoted to **Software Engineer - L2** from **Associate - L1** for exceptional performance and contributions
- Implemented a feature to request a **remote session** through the frontend UI
- Streamlined and implemented new workflow for the creation of cases, thus enhancing the overall user experience
- Contributed to **CEPH** and **Red Hat OpenShift** and **Ansible**
- Developed a **history feature** catering to scenarios involving **historical data**, similar to Reddit's comments

### Red Hat

July 2021 - Oct 2021

Software Engineer Intern

Bengaluru - Remote

- Improved GitLab pipeline speeds by writing custom stages and coverage scripts by **25%**
- Worked on writing unit tests for components using Jest and React Testing Library
- Contributed to **Kong** Service Mesh

### Google Season of Docs - WasmEdge

May 2023 - Dec 2023

Open-Source Technical Writer

United States - Remote

- Implemented CI/CD through GitHub Actions with **Caching** and **Job Concurrency**
- Migrated and wrote sections of docs site to docusaurus
- Issue Tracking Overall Progress - [GitHub Tracker](#)

### Google Summer of Code - OpenChemistry

May 2023 - August 2023

Open-Source Developer

United States - Remote

- Mentored by and collaborated with **Prof. David R Koes**, University of Pittsburg, on improving [3Dmol.js](#)
- Developed tailored CI/CD using GH Actions for **caching**, and worked on **performance improvements** for the library
- Worked on migrating **loosely typed** JavaScript code to **strictly typed**, TypeScript code
- Accepted Project Details - [Link](#)

### Cloud Native Computing Foundation, Meshery

Aug 2021 - Present

Maintainer of Meshery - CNCF Sandbox Project

Austin, Texas - Remote

- Implemented UI to communicate with **Kubernetes APIs** from scratch using ReactJS, Material UI, and NextJS
- Improved and wrote technical docs related to **Service Meshes**, **Envoy Proxy** and **ProtoBuf**
- Improved front-end UI feature facilitating seamless communication with **Grafana** and **Prometheus** dashboards

## SKILLS

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**Languages:** TypeScript, JavaScript, HTML, CSS, Python, GoLang, WebAssembly

**Libraries/Frameworks:** ReactJS, NextJS, Jest, React Testing Library, Playwright

**Databases:** MySQL, MongoDB, Firebase

**Design:** Adobe Photoshop, Illustrator, Xd, Figma

**Tools:** Kubernetes (Familiar), Docker (Familiar), Git, GCP, AWS, JIRA, Confluence, Apache Solr, Apache TomCat, GitHub Actions

## PROJECTS

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**VINO: VIN number and Odometer recognition** | *Tensorflow, Flutter, Pattern Recognition*

**April 2023**

- Designed and implemented UI for an odometer and vin recognition app using Figma and Flutter
- Implemented image recognition that was based on text classification and recognition using a standard regex for VIN number and Odometer readings using Tensorflow with an overall accuracy of **95%**

**Datazip** | *Tensorflow, Keras, ReactJS, TypeScript*

**February 2023**

- Built an end-to-end solution to scan through criminal databases and suggest the closest match to the fingerprint and face data of a criminal using Tensorflow and Keras
- **Unified Data Verification Track Winner** - Karnataka State Police Hackathon

## EDUCATION

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**Jyothy Institute of Technology - VTU**

**Aug 2017 - Aug 2021**

*Bachelor of Engineering (B.E) in Computer Science*

*Bengaluru, Karnataka*

## HONORS AND AWARDS

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- Unified Data Analytics Track, **Winner - \$1200** - Karnataka State Police Hackathon - [Project Link](#)
- **Red Hat Giveback Award: Gold Star**, 2022 for contributing to OSS, delivering talks, and giving back to the community
- **GitLab Q3 2022 Hackathon**, Second Prize (among 70 participants) - [Announcement](#)
- **Linux Foundation** Student Scholarship for KubeCon+CloudNativeCon NA 2021
- Linux Foundation - **LiFT Scholarship 2021** - Open Source Newbies Category - [Link](#)
- **IBM/Clinton Foundation - Climate Change Solution**, Winner (among 254 participants) - PhillyCode Fest '20, **Drexel University** - [Project Link](#)
- **Best Speculative Design Award - 1ETH (\$1000)**, ETH Planet Hackathon - 2020 - [Details](#)
- Runner Up, HoppHacks 2020 (among 275 participants) - **John Hopkins University** - [Project Link](#)

## TALKS AND COMMUNITY WORK

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- Presented a talk about **From Chaos to Cohesion: The Role of Monorepo Managers** at JSConf India, Bengaluru - [Talk Link](#) - **June 2023**
- Presented a talk about **Comparison of Monorepo Managers**, internally at **Red Hat** - **Jan 2023**
- Invited to present about **Terraform Meets Elastic Cloud** at **HashiTalks: Deploy**, an international conference by Hashicorp - [Talk Link](#) - **December 2022**
- Presented a talk about **Composing Cloud Native Infrastructure with Docker Desktop and Meshery** at Docker Community Meetup, Bengaluru - [Event Details](#) - **June 2022**
- Invited to virtually talk about **Journey into the World of Service Meshes** at **DevConf.CZ**, Czechia - **Jan 2022**
- Presented a talk on **How to Contribute to Open Source Software and Its Principles**, internally at **Red Hat** - **Nov 2021**
- Co-organizer of **GitLab Bengaluru**, a community meetup of around **544** members interested in Distributed Systems, DevOps and OSS - [Meetup Group Link](#)