ADITHYA KRISHNA V SHARMA

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WORK EXPERIENCE

Tensorlake　　　　June '24 - Present
Software Engineer - Frontend　　　　*Remote*

- Rewrote the Entire OSS Frontend for Indexify
- Improved our typescript re-ranking library for search results from retrieval systems
- Implemented Bounding Boxes to be rendered on the UI from JSON Data Coordinates
- Improved loading times by focusing on SSR and CSR for the components
- Developed and Built https://arxiv.tensorlake.ai - our semantic search technology for arXiv papers
- Implemented our entire version of docs https://docs.tensorlake.ai
- Developed our entire website https://www.tensorlake.ai using NextJS, Tailwind CSS and Framer Motion.
- Working on implementing our blogs with contentlayer and NextJS for user-friendly documentation updates

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
- Implemented initial version of the profile sharing option for users

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

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

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

Jyothy Institute of Technology - VTU   **Aug 2017 - Aug 2021**
Bachelor of Engineering (B.E) in Computer Science   *Bengaluru, Karnataka*

Honors and Awards

- 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

- 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**