

Chiranthan Sridhar

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EDUCATION

Master of Science in Computer Science

May 2024

University of Colorado Boulder, Boulder, CO

- Natural language processing, Neural nets and Deep learning.

Bachelor of Engineering in Information Science and Engineering | GPA: 3.78/4

Jun 2019

RV College of Engineering, Bangalore, KA

- Database systems, Advanced algorithms, Software engineering, Image processing, Machine learning, Big data analytics.

TECHNICAL SKILLS

- Programming Languages: Golang, Python, Java, Groovy.
- Deep Learning Frameworks: Pytorch Lightning, Pytorch, FastAI.
- Machine Learning libraries: Spacy, Numpy, Scikit-learn, Matplotlib, Seaborn, Pandas, Optuna, W&B.
- Docker, Kubernetes, AWS, GCP.

EXPERIENCE

Software Engineer II, Cisco | Bangalore, KA

Apr 2021 - Jul 2022

- Led the security team where we renovated analytics dashboard to present better metrics which improved usage by nearly 30%; developed central, priority-based security vulnerabilities and ticketing system.
- Researched and proposed a secure way to access and manage public cloud resources – GCP, AWS - of customers using Workload identity federation, Okta; improved the security over using impersonation of Service Accounts.
- Developed a release orchestrator for automated scheduled and on-demand deployment using Go, Argo which reduced deployment time from 2 hours to less than 10 minutes.
- As a core member of the Cisco ML community, I conducted sessions on creating awareness of ML – using transformer-models for recommender systems, using FastAI to get started with Deep learning, etc.

Software Engineer I, Cisco | Bangalore, KA

Jul 2019 - Mar 2021

- Explored ways to improve management of event-based architectures and proposed using Argo and Airflow. Enhanced many projects' architecture to use Argo and found it easier to manage events.
- Built a command-line tool for CI/CD pipeline management for multiple private and public runtimes with Go. The CLI tool reduced process time by nearly 50% and it offered a way to automate.
- Collaborated with the infra team to devise a health monitoring dashboard for all tools offered in the team. Additionally, leveraged auto case assignment script to help in troubleshooting issues related to our tools by creating tickets and assigning to people based on availability and skill; downtime during issue fixes was brought down to 15 minutes or less.

Software Engineer Intern, Cisco | Bangalore, KA

Jan 2019 - Jun 2019

- Designed Groovy library to run custom multibranch pipeline jobs in Jenkins; reduced time taken to run Jenkins job and allowed easier customisations compared to freestyle and maven jobs.
- Devised a Groovy plugin to Quay integration with Urban Code Deploy; provided ability to automatically pull image tags from Quay.

PROJECTS

Individual Researcher, Essay Feedback Prize | Remote | [Github](#)

Dec 2021 - Feb 2022

- Experimented on multiple models – Roberta, BigBird, Longformer. ERNIE-Doc to recognize different parts of an essay as a NER task

Individual researcher, Jigsaw Toxic Comments Severity Rating | Remote | [Github](#)

Nov 2021 - Feb 2022

- To classify a text based on the toxicity of the comment, tested multiple models - HateBert, Bert-CNN, BiLSTM, Roberta – and external datasets

Individual researcher, Stress Analysis on Social Media | Cisco, Remote | [Github](#)

Jul 2021 - Sep 2021

- Implemented the research paper "Dreaddit dataset" and optimized the result using a voting classifier of XGBoost, GBM and LGBM.