

# Dhruv Bindra

☎ 480-246-2288 ✉ ddbindra@gmail.com 🌐 dhruvbindra.com 🔗 linkedin.com/in/dhruv-bindra 🐙 github.com/bindrad

## PROFESSIONAL EXPERIENCE

### IBM India Pvt. Ltd.

*Backend Engineer | OpenShift Data Foundation - Managed Service[ODF-MS]*

**Bengaluru, India**

*Jan 2023 - Jul 2023*

- ODF product was transferred to IBM
- Architected ODF-MS leveraging IBM Satellite and Terraform; reducing cost of infrastructure by 65%

### Red Hat India Pvt. Ltd.

*Software Engineer | ODF-MS*

**Bengaluru, India**

*Jul 2022 - Dec 2022*

*Associate Software Engineer | ODF-MS*

*Jul 2021 - Jun 2022*

- Developed an OpenShift/Kubernetes Operator for Red Hat ODF-MS using Operator Lifecycle Manager; this eliminated need for clients to maintain cloud storage admins
- Deploying 7+ containerized applications per day on Kubernetes/OpenShift to develop ODF-MS while gaining extensive hands on experience with Docker and Kubernetes
- Enhanced ODF-MS to deploy specific type of storage cluster as per client use-case resulting in 35% cost reduction of hybrid-cloud infrastructure for customers
- Automated multi-platform cluster deployment of ODF-MS kubernetes operator to reduce deployment time by 30% and eliminated human error while deployment using Bash scripts
- Configured Continuous Integration pipeline using Continuous Productization as a Service pipeline and GitHub actions to deliver ODF-MS service; enabling weekly releases instead of manual monthly releases

*Intern | OpenShift Data Foundation - Managed Service division*

*Jan 2021 - Jun 2021*

- Built real-time dashboards for Site Reliability Engineering team to monitor storage component using Go and Prometheus
- Configured PagerDuty for ODF-MS to enable SRE team to receive service issue alerts using Go and Alertmanager

### Global Discovery Academy

*Student Intern | Life Mein Marks Data Science and Backend division*

**Bengaluru, India**

*Feb 2020 - Feb 2021*

- Worked on Life Mein Marks project helping clinical psychologists understand child's emotional state of mind to cure traumatic memories, providing more attention and compassion
- With a team of 10, Architected a web and mobile application along with ML models running on backend
- Built REST APIs using Django Framework and MySQL enabling data flow from web and mobile app to database
- Built a dozen of Random Forest, Text Mining, Linear Regression, Logistic Regression and Deep Learning models

## EDUCATION

### Arizona State University

*Master of Science in Computer Science and Engineering*

**Tempe, AZ, USA**

*Expected July 2025*

Relevant Courses: Advanced Operating Systems, Advanced Computer Networks, Software Security

### PES Institute of Technology- Bangalore South Campus

*Bachelors of Engineering in Computer Science and Engineering*

**Bengaluru, India**

*August 2021*

Relevant Courses: Software Engineering, Cloud computing and its Applications, Database Management System

**GPA: 8.35/10.0**

## RESEARCH

### *Document management Solution Using Blockchain*

*Sept 2019 - Jan 2020*

- Researched an architecture that provides an easy to use, secure and decentralized document handling system using blockchain and asymmetric cryptography to enhance identity card management system of many countries
- Presented and won **Best Paper** award at Dubai WASET: 22nd International Conf. on Eng. and Tech Innovation

## SKILLS

**Programming Languages:** Go, C, C++, Python, HTML, CSS, Java

**Softwares:** Kubernetes, OpenShift, Operator Lifecycle Manager, Prometheus, OpenShift Data Foundation, Ceph, Gin

**Cloud Platforms:** Amazon Web Services, Google Cloud Platform, Microsoft Azure

## LEADERSHIP/EXTRACURRICULARS

### **ACM Student Chapter, PESU – Vice-Chair**

*Aug 2019 - Aug 2020*

- Co-Founded ACM PESU Student Chapter and organised technical events to empower students

### **Techwatts community, PESU – Co-founder**

*Oct 2018 - Aug 2021*

- Lead a team of 10 to organise 70+ workshops on Competitive coding, Artificial Intelligence & Android App Development
- Co-head of inGenius 2020 Hackathon; organized Hackathon for 400+ participants