

Amir Allahveran

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EDUCATION	B.S. in Computer Engineering <ul style="list-style-type: none">Amirkabir University of technology<ul style="list-style-type: none">GPA: 17.78 / 20 (last 8 semesters)Thesis topic: Kubernetes HDFS operator<ul style="list-style-type: none">Professor: Dr. Mahmoud MomtazpoorThe Kubernetes Operator for HDFS aims to make specifying and running HDFS as easy and idiomatic as running other workloads on Kubernetes. It uses Kubernetes custom resources for specifying, running, and surfacing status of HDFS.Related courses:<ul style="list-style-type: none">Principles of Cloud Computing (18.66/20)Web Programming (20/20)Operating Systems (18.8/20)Computer Networks (17.6/20)Algorithm Design (20/20)	Sep 2018 – Jul 2023 Tehran, Iran
RESEARCH INTEREST	<ul style="list-style-type: none">Cloud ComputingServerless ComputingOperating SystemsSoftware Defined NetworkingComputer NetworksComputer Security	
TEACHING EXPERIENCE	Teacher Assistant <ul style="list-style-type: none">Amirkabir University of Technology<ul style="list-style-type: none">Operating Systems teaching assistant under supervision of Dr.Ahmad Javadi	Feb 2021 – Jul 2021 Tehran, Iran
WORK EXPERIENCE	Site Reliability Engineer <ul style="list-style-type: none">ArvanCloud Site Reliability Engineer <ul style="list-style-type: none">Tapsell	Aug 2022 – Present Tehran, Iran Sep 2021 – Aug 2022 Tehran, Iran
SKILLS	Programming and scripting languages: Golang, Python & Bash, C Programming language Web Development: HTML & CSS, JavaScript, Flask Tools: Kubernetes, OpenShift, Docker & Containerd, Kubebuilder, Helm, Prometheus, Grafana, AlertManager, Ansible, Gitlab CI, ArgoCD, Nginx & Ingress Nginx, HAproxy Databases: MongoDB, MySQL, Redis, Cassandra, ELK Stack, Apache Kafka, Apache Druid System administration: Linux LPIC-1	
PROJECTS	<ul style="list-style-type: none">Hadoop and MapReduce<ul style="list-style-type: none">Implementation of three MapReduce application using Java programming languageDynamic Adaptive Streaming over HTTP<ul style="list-style-type: none">Implementation of website front-end and back-end which uses DASH and HLS for video streaming using python programming languageImage histogram equalization<ul style="list-style-type: none">Implementation of Image histogram equalization algorithm using python programming languageDHCP<ul style="list-style-type: none">Simulation of client and server in the DHCP protocol and implementation of network hosts IP assignment service using python programming languageMovie website management<ul style="list-style-type: none">Implementation of movie website server side using Golang programming languageKubernetes setup<ul style="list-style-type: none">Implementation of kubernetes cluster with HA masters, then setup mariadb galera cluster in k8s cluster and setup monitoring stack to create dashboard for mariadb cluster using Ansible	

CERTIFICATES	<ul style="list-style-type: none"> ▪ Cloud Computing Basics (Cloud 101) 	
LANGUAGES	<ul style="list-style-type: none"> ▪ English: Fluent (TOEFL exam will be taken on October 29, 2022) ▪ Persian: Native language 	
HONORS AND REWARDS	<ul style="list-style-type: none"> ▪ Awarded as University's Exceptionally Talented Student 	2018,2019