

Swapnil Patel

Software engineer

EXPERIENCE

Intel Corporation, Folsom— Graduate *Software intern*

JANUARY 2019 - PRESENT

- Worked on memory benchmarking of novel memory technologies used in cloud data centers.
- Developed different application workloads - image processing, machine learning and memory/compute intensive apps.

Aubergine solutions pvt. Ltd., India— *Software engineer*

AUGUST 2016 - JUNE 2017

- Developed and designed backend apis for Cubii app-Chicago based elliptical trainer, using Django-REST framework.
- Worked on log monitoring system for intrusion detection with ELK.

Institute for Plasma research, India— *Software developer intern*

JANUARY 2016 - MARCH 2016

- Built a desktop application to archive & plot observations from optics & vacuum experiments.

PERSONAL PROJECTS

Newt - automated cloud provisioning tool.

Kubernetes based automated project deployment framework with cloud-ide. Apps can autoscale, share from pool of environment containers.

Arya - multiple web-app host. [arya.theback.space]

Scalable frontend application to host multiple backend applications. Provides conversational as well as a ui interface to interact with apps.

Pacman AI agent - Search, Reinforcement Learning.

EDUCATION

California State University- Sacramento, CA, USA

Master of Science, Computer Science | AUGUST 2017 - DEC 2019

Dharmsinh Desai University- Nadiad, India

Bachelor of Technology, Computer Engineering | JULY 2012 - MAY 2016

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LANGUAGES

Python, Java, javascript(node), SQL.

TOOLS

Openstack, AWS SDK, GCP, Rabbitmq, Elasticsearch, Firebase, Nginx, Electron, Jenkins, Docker, Kubernetes, React.

WEB

Developed **RESTful APIs** with Django/python backend.

Worked with relational and NoSQL **databases**. [PostgreSQL, Oracle and MongoDB].

Automated building project environments over distributed cloud systems, setup **CI/CD pipeline** .

Built and configured custom analyzers to enhance **context based full-text search** with ELK.

Alexa skill - **Suggest me a tv show** with over 4500+ unique users and 26k+ invocations.

Experience with **deep learning** libraries - keras, TensorFlow.

COMMUNITY

Speaker, Google Devfest 2017

ACM ICPC 2018 Regionals - rank 4/20 N. California Berkeley D2 site

Organizer, Sacramento Web & Mobile Developers

GITHUB

<https://github.com/swap357>

BLOG

<http://theback.space/>