

SHWETA KORULKAR

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CAREER OBJECTIVE

As a computer science student, I have knowledge in different fields and looking for entry-level full time opportunity which enables me to contribute my skills and increase my experience.

EDUCATION

Portland State University

Master of Science in computer science

March 2019 - December 2021

CGPA: 3.75/4.0 | *Portland*

PROJECTS

- **Full-Stack and Web application based projects (JavaScript, HTML5, CSS, BootStrap, React, Node.js, chart.js, VSCode, Jest, REST API.)**
 1. **Weather-hike-app** : Designed responsive Web application for weather information and hike trail routes. (<https://weather-hike-app.herokuapp.com/>)
 2. **Covid-19 Dashboard** : Designed responsive Covid-19 Dashboard which display information regarding covid cases, vaccination status and vaccine by manufacturer. (<https://covid19-web-dashboard.herokuapp.com/>)
- **Site Reliability Engineering (Python, Google Cloud Platform (GCP))**
 1. Configured the site that includes an **NGINX, Gunicorn ,django , Postgres database server**. Monitored the site using **Elastic Stack, Kibana, ElasticSearch, metricbeat, filebeat**. For load balancing, created replica instance of Gunicorn server and made the site reliable.
- **DataBase (PostgreSQL, NoSQL, GCP,Python)**
 1. **NoSQL data domain** : Designed a cloud-scale data management system using Mongo (Document data model).
 2. **Wisconsin benchmark database:** Designed database using Wisconsin benchmark to evaluate PostgreSQL with different parameter values and optimizer options. Also analyzed query plans chosen by the query optimizer.
- **Battlecode Game (VisualStudio, Slack, Trello, GitHub)**
 1. Designed and played Battlecode game using **JavaScript, Mocha/Chai testing framework**.
- **Networking, Python**
 1. **IRC client server chatting application** : Designed client-server based chatroom using socket programming, multi-threading, python.
- **Java project (Maven, JUnit, Android, Koans, Web Application. IntelliJ)**
 1. **Designed Appointment Book Application using command line parsing, maven, JUnit test, I/O facility**. Developed web application and Worked with HTTP-based network communication in java. **Built device interface with Android**.

SKILL SET

- Python, C, Java, linux shell script, C++, maven, JUnit, Integration Testing.
- HTML5, Javascript, CSS, React, Bootstrap, Node.js, Express, PHP, XML, Chart.js
- MySQL, PostgreSQL, MongoDB, RDBMS, NoSQL, SQL, PhpMyAdmin
- Pandas, Google Cloud Platform, Chai/Mocha, Django, Socket-Programming, Linux/Unix, Shell script, GitHub, Gitlab