

# Anand Kothari

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React Portfolio: [https://kotharan.github.io/React\\_Portfolio/#/](https://kotharan.github.io/React_Portfolio/#/)

## Education

*Bachelors of Science*, Computer Science, Minor: Business and Entrepreneurship

**GPA: 3.58**

• **Oregon State University, Corvallis**

**Dec 2018 (Expected)**

**Coursework:** Analysis of Algorithms, Data Structures, Web Technology, Software Engineering I & II, Computer Architecture & Assembly Language, Operating Systems, Software usability, Cloud Application Development [APIs]

## Work Experience at Oregon State University, Corvallis, OR

**Qualtrics Data Analyst & Back-End Developer** – Outdoor School Program

**Mar 2018 – Dec 2018**

- Created online surveys with multiple logic functions which made their applications 3 times faster.
- Developed robust code in **Python** to increase work automation by 85% using various libraries like panda, glob, os and others

**Web Developer and Secretary** - Indian Student Association

**Sept 2017 – Sept 2018**

- Enhanced user experience by designing a layout & user flow of the [webpages](#) which reduced the information search time to < 1 min.

**Student IT Technician** - Community Network (CN)

**May 2017 – Dec 2018**

- Built and Imaged laptops as per University standards for all staff and faculty at the Corvallis campus as well as OSU Extension campuses. Also, **diagnosed** and **repair** personal computers of students and faculty
- Helped troubleshooting Drivers, BIOS errors and network related issues. Provided **Remote** Support.
- Provided **Networking(TCP/IP) configuration** and other services using software like **TeamDynamix**, **ResDesk** and **Rave Alert**

## Technical Skills

- Languages: Proficient in **Java** with conducting manual **regression** testing, **C#**, Implemented **Algorithms and Data Structures** in **C++**, used **JavaScript** with **Node.js**, **PHP**, Oracle DB, **PostgreSQL**, used **MySQL & MongoDB** with **RESTful APIs**
- Operating Systems:** **Windows**, **Linux/Unix** (Ubuntu), Mac OS
- Experienced with software like Oracle VM Virtual Box, Putty, and IDEs like NetBeans, BlueJ, Microsoft Visual Studio and IntelliJ

## Project & Event Experience

- Designed **RESTful APIs** in **JavaScript** for a cloud application (1- person project)
  - Coded for pagination & **Containerized** the API server using **Docker**
  - Used packages like Express, Nodemon and SuperAgent, also wrote OpenAPI specification using **Swagger**
  - Created and worked with Docker images of **MySQL** and **MongoDB**
- Placed **2<sup>nd</sup>** in **Hackathon 2018 out of 20 teams** - Built a [web app](#) using **HTML5**, **Node JS**, **APIs**, **Handlebars**, **Bootstrap** & **Heroku**
- **Full Stack Developer** - Graduate Teaching Assistant Web application (Team of 3)
  - Worked with an Engineering college instructor to solve critical issues of a server-side web application
  - Used **MVC** framework **Rails** for coding in **Ruby** with a cloud-based development platform, **Heroku**. Also, an open source relational database, **PostgreSQL**, to store and manipulate user data
  - Worked on **Linux Operating System** through **VMware Workstation** and updated documentation using **LaTeX**
  - Wrote **unit test scripts**, supervised version control and pushed limits of the Web Technology with the IDE tools and **agile methodologies**
- Built a web [newsletter](#) by implementing **HTML5**, **CSS** and **JavaScript** and presented in-class as a group project (1- person project)
  - Built the layout keeping the hyperlinked pages work flow in mind & fixed bugs within web application under agile development
- Created a [google website](#) for exploring the key features of Google Sites Web Application (1 – person project)
  - Fixed alignments and researched on potential visuals that google can provide in their Google Site features

## Volunteered for Research Studies

**Oregon State University Researches, Corvallis**

- *Understanding human-robot interaction* – Contributed opinions on controllers and tested for human interaction usability
- *Visual programming keyboard* – Analyzed time complexity to perform visual programming(like Blockly by Google) in **Java**
- *Navigational software* – Assisted in developing and interpreting a learning environment for novice developers