Anand Kothari

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♦ YouTube –> TeckAKnik ♦ React Portfolio: https://kotharan.github.io/React_Portfolio/#/

Education

Bachelors of Science, Computer Science, <u>Minor</u>*:* Business and Entrepreneurship **GPA: 3.56**

- **Oregon State University, Corvallis** **Dec 2018**
  <u>Coursework</u>: Analysis of Algorithms, Data Structures, Web Development, 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 Back-End Developer and Data Analyst – *Outdoor School Program* **Mar 2018 – Dec 2018**
- Developed robust code in **Python** to increase work automation by 85%, using various libraries like panda, glob , os and others
- Created online surveys with multiple logic functions which made their application process 3 times faster.

Web Developer and Secretary - *Indian Student Association* **Sept 2017 – Sept 2018**
- Enhanced user experience by designing an uncomplicated layout
- Outlined 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**: Implemented **Data Structures and Algorithms** in **C++ and Java**, **C#** alongside with **ASP** for Web and desktop application development, used **Node.js**, **PHP**, Oracle DB, **PostgreSQL**, used **MySQL & MongoDB** with **RESTful APIs**
- **Operating Systems**: Windows, **Linux**/Unix (Ubuntu), Mac OS
- Experienced with software like VM Virtual Box, Putty, and IDEs like NetBeans, BlueJ, Microsoft Visual Studio and IntelliJ

Project & Event Experience

- *Full Stack Developer* - *Graduate Teaching Assistant Web application* (Team of 3)
  - o Worked with an Engineering college instructor to solve critical issues of a server-side web application
  - o 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
  - o Worked on **Linux Operating System** through **VMware Workstation** and updated documentation using **LaTeX**
  - o Wrote **unit test scripts**, supervised version control and pushed limits of the Web Technology with the IDE tools and **agile methodologies**
- Designed **RESTful APIs** in **JavaScript** for a cloud application (1- person project)
  - o **Containerized** the API server using **Docker** and coded for a web application with functionalities similar to Yelp application
  - o Used various packages like Express, Nodemon and SuperAgent, also wrote OpenAPI specification using **Swagger**
  - o Created Docker images of **MySQL** and **MongoDB** to store user inputs
- Placed **2nd** in **Hackathon 2018 out of 20 teams -** Built a web app using **HTML5, Node JS**, **APIs, Handlebars**, Bootstrap & **Heroku**
- Created a YouTube Channel to Provide Tech Reviews - TeckAKnik
- Built a web newsletter by implementing HTML5 , **CSS** and **JavaScript** and presented in-class as a group project (1- person project)
- Created a google website for exploring the key features of Google Sites (1 – person project)

Volunteered for Research Studies

Oregon State University Researches, Corvallis
- *Understanding human-robot interaction* – Contributing opinions on controllers and also tested for human interaction usability
- *Visual programming keyboard* – Wrote and analyzed time it takes to perform visual programming(like Blocky by Google) in **Java**
- *Navigational software* – Assisted novice developers in developing a navigational software.