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## EDUCATION:

**MS Computer Science** - Portland State University (07/2017 - Present) Portland, OR GPA - 3.30  
**Bachelor of Computer Engineering** - Vishwakarma Institute of Information Technology - Pune, India GPA - 3.40

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## TECHNICAL SKILLS:

**Languages** - JavaScript, Java, Python, C, C++

**Frameworks** - React JS, Node JS, Express JS, Bootstrap

**Database** - MySQL, PostgreSQL

**APIs, Tools and IDEs** - NPM, OpenMP, CUDA, openCV, git, IntelliJ IDEA, NetBeans, Eclipse

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## EXPERIENCE:

**Tata Institute of Fundamental Research, India**

Software Developer Intern

June 2016 - June 2017

- Parallelization of computations for Cosmic Ray Detectors of GRAPES - 3 (Gamma Ray Astrophysics at Peta eV EnergieS) experiment using **PROOF** (Parallel ROOT Facility).
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## ACADEMIC PROJECTS:

**WeatherWise:**

02/2019 - 03/2019

- Implemented a Weather based web application with a **React JS** front-end and **Node JS + Express JS** back-end. Used **PostgreSQL** to store the name of the cities.

**Phone Bill Application:**

06/2018 - 08/2018

- A Rich internet web application for providing **RESTful** services to a phone bill client. Web-based user interface developed with **Google Web Toolkit**.

**Object Shape Recognition:**

02/2019 - 03/2019

- Implemented the research paper - "Object Shape Recognition in Image for Machine Vision Application". It follows RGB to HSL image conversion, thresholding, image filling, median filtering, edge detection, image thinning and shape recognition.

**Operating System Kernel Implementation:**

09/2017 - 12/2017

- Implemented uniprocessor operating system using monitors. Allocation and freeing of resources was done by implementing ThreadManager, FrameManager and ProcessManager. Upon completion, the CPU will switch back to user mode before resuming execution of the user-level process.

**Sorting Methods and Matrix Multiplication using OpenMP and CUDA:**

04/2018 - 06/2018

- Comparing the execution time of quick sort using **CUDA** and **OpenMP**. Matrix multiplication and odd even sorting in **CUDA**.
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## OTHERS:

- Coursera/ deeplearning.ai Certificates - Neural Networks and Deep Learning, Improved Deep Neural Networks - Hyperparameter Tuning, Regularization and Optimization.
- Participated in IOT - Hackathon - 2018 (Women Who Code) - Developed a Smart Monitoring System.