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EDUCATION

- **K. J. Somaiya College of Engineering, Mumbai University (GPA: 7.84/10)** Aug. 2015 – Current
Bachelor of Technology in Information Technology

EXPERIENCE

- **L. V. Prasad Eye Institute, Hyderabad** June 2018 – August 2018
Research Intern *Python, C++, PyGame, OpenCV, PyOpenCL, Scipy, Numpy*
 - **Pupil+:** Worked on a novel algorithm for pupil detection and implemented it in Odroid XU4 for real-time processing using C++ and Python
- **K. J. Somaiya College Of Engineering, Mumbai** December 2017 – January 2018
Research Intern *Shell, Python, C++, Open MPI*
 - **GPU Cluster:** Worked on 20 Computers to create a GPU Cluster using Message-Passing Interface
 - **Benchmarking:** Ran and wrote parallel algorithms using Map-Reduce on the cluster
- **Pavoh, Mumbai** September 2015 – November 2015
Web Intern *HTML, CSS, Javascript, PHP*
 - **Pavoh Website:** Developed various web pages with back-end and front-end

PROJECTS

- **Video based Lip Reading(*Ongoing*) (Tensorflow, Keras):** Training a CNN LSTM to perform video based lip-reading of English speakers on the GRID audiovisual sentence corpus.
- **ResCrunch (Python, Django):** Developed an application that parses resumes of various candidates and ranks them relatively via information collected from their resumes, Github and Codechef profiles.
- **Duane Retraction Syndrome measurement using Computer Vision (OpenCV):** Measures interpupillary distance and palpebral fissure length in millimeters using ordinary camera.
- **TripSharr (Android, Codeigniter):** Developed an android application with a Restful Back-end which helps you record your trips and share it with your friends via Facebook.
- **Rinnegan (PyGames, OpenCV):** A Desktop app that analyzes blinking pattern of the user to encourage blinking to protect eyes from Computer Vision Syndrome.
- **NerualNetworks (Numpy):** Developed simple neural network and Convolutional neural network from scratch.
- **CJ-MVC (PHP, MySQL):** A Model-View-Controller framework developed from scratch in PHP.
- **SearchIT (Python, NLTK, BeautifulSoup):** Developed web crawler and information extractor module for a search engine.
- **Game of Life (graphics.h, C):** Developed Conway's game of life from scratch in C using graphics.h library.

POSITIONS OF RESPONSIBILITY

- **Committee Head, KJSCE Codec cell** April 2017 – May 2018
Led a team of 14 members to conduct various technical seminars and workshops for fellow students
- **Developer, KJSCE Student's Council** July 2016 – May 2017
Responsible for developing 3 websites for the 3 annual festivals

COMPETITIONS

- 1st Runner-up of Engineering the Eye organized by LVPEI in association with MIT media labs
- 1st Runner-up of CodeAdventure organized by Riidl
- 14th rank in CodeSpree 2018 hosted on CodeChef

PROGRAMMING SKILLS

- **Programming/Scripting Languages:** C / C++, Java, Python, PHP, Shell, Javascript
- **Technologies/Libraries:** Tensorflow, PyTorch, Keras, OpenCV, Numpy, Scikit-learn, ReactJS, Django, CodeIgniter
- **Databases and Operating Systems::** Ubuntu, Windows, MySQL, Redis, MongoDB