

Safal Raj Pandey

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<https://github.com/SafalPandey>

Education

Bachelor's Degree in Computer Engineering (2013 - Present) - Kathmandu Engineering College, Kalimati, Kathmandu (TU- IOE)

Work Experience

Jan 2017 – Feb 2017 Internship – PATHS Asia

Programming Languages/ Technology

Major:

Node JS, Express JS, Unity3D game engine using C#, JavaScript, Python-Django, HTML and CSS, Bootstrap, Drupal, WordPress, Xilinx ISE (VHDL), MySQL

Basic:

React JS, JAVA, Android, C++, Blender for 3D modelling, Arduino UNO

College Projects:

1. HireMe365, SEM VII and VIII – A freelancing web based application where users can choose to sign up either as an employer or a freelancer. Employers will be able to post jobs and keep track of applicants for the jobs and freelancers will be able to apply for available jobs and get paid via a payment gateway through the website. Built using NodeJS, ExpressJS.
2. Virtual Reality Paint, SEM V and VI - An immersive VR paint application for the users to draw in 360 canvas, save projects or modify stored projects in Google Cardboard supported android devices. A controller application is used to draw figures or lines. Gamemode was included to make use of the 3D VR environment.

3. Calander with ToDo list, SEM I – A Calander program that is able to store some tasks to do and then search them and load them by date.

Personal Projects:

1. Blogger, I built this web application in fourth year. It uses Django – Python as web framework and SQLite database. It is available on my github page.
2. Hospital Informer, I built this web based application in third year. It uses Google Maps API, JS, HTML, CSS, and Bootstrap. This application can read your location and then show hospitals within 2 KM of your location.
3. EasyVend, I built this application for FPGA Contest within a week. Written in VHDL.
4. LetterPunch, I built this game in SEM III. A game to help improve typing speed of the user. A similar concept to Whack-A-Mole but instead of moles, the users need to type the letters on the screen. Available on my GitHub account.

Event Participation:

- 1 LOCUS 2017 National Software Project Demonstration
 - For Virtual Reality Paint
- 2 TechBihani3.0 2017 National Software Project Competition - First Prize winner
 - For Virtual Reality Paint
- 3 National FPGA Contest (LOCUS) 2016 Third Prize winner
 - For EasyVend project

Extra-Curricular Activities:

- Secretary of KEC IT CLUB - Conducting various workshops, code-camps and assisting students in their ongoing projects.
- Technical Quiz 2014 - First position holder of Intra-College Quiz competition