Mrinal Dhar

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Profile

Third Year - Computer Science undergraduate, interested in Web development, UX/UI design and Operating Systems development.

Education

B. Tech. Computer Science (Honours) – 2013-2017 (Expected)
International Institute of Information Technology, Hyderabad. GPA : 8.36
HSC (Class 12 CBSE) – 2013
K. C. Public School, Jammu. Percentage : 92.7% - Science stream

Work Experience

Research Assistant & Web administrator (Jan, 2015 - present)
Web Administrator for all websites and services at Language Technologies Research Center, IIIT-Hyderabad. Re-designed some of them. *http://ltrc.iiit.ac.in/*
Teaching Assistant (Aug, 2015 - present)
IT Workshop-I course, Monsoon 2015 semester.
Web development & UX/UI Intern (Dec, 2014 - Aug, 2015)
Worked on designing the user interface and product design from the ground up at various startups: Gratifi, Connaizen, Stoqin, Silverlabs.

Projects

Eve (May, 2014 - June, 2015) - **NodeJS, HTML5**
An artificially intelligent digital assistant. It's platform independent, and responds to input text or your voice commands. *http://researchweb.iiit.ac.in/~mrinal.dhar/eve/*
RealText (May, 2014) - **socket.io, NodeJS, HTML5**
A web app developed that lets users chat with each other, off-the-record (OTR). The text is transmitted in realtime as the user is typing, simulating face to face conversation.
CloudHub (Jan, 2014 - Mar, 2014) - **PHP, MySQL, HTML5**
An online file backup and management solution. Allows users to upload and view their photos, videos, music and other files - all in the browser.
TCP/UDP peer to peer File Sharing application (Feb, 2015) - **C++, HTML5**
A multi-purpose, peer-to-peer file transfer program with chat capabilities, an easy and intuitive web based user interface and a powerful command line interface.
Ultimate Tic-Tac-Toe (Mar, 2015) - **Python**
This version of the classic game uses alpha-beta AI pruning and heuristics to solve a 9x9 Tic-Tac-Toe board. Three gameplay modes: AI vs. AI, Human vs. AI and Human vs. Human

Other Work

Open Source Software contributor, Mozilla - Javascript, Python

[:mdhr] Primarily worked on Firefox Devtools and UI

In-charge of design for college magazine, Ping! - PHP, Wordpress CMS, HTML5

Responsible for ideation and implementation of design for *http://ping.iiit.ac.in*

Administrator at Open Source Developers Group (OSDG), IIIT-H

Promote FOSS at college level, encourage students to contribute to open source.

Also designed *http://osdg.iiit.ac.in*

Automatic verb frame extraction library for Hindi language - Python

As a summer project at LTRC, IIIT-Hyderabad, worked on creating a library that allows automatic extraction of verb frames from Hindi treebank data.

Wrote a simple kernel, bootloader and a calculator app for it. - C, Assembly x86

Developed a simple kernel that booted up and allowed user interaction via the keyboard. Also includes a calculator with a command line interface.

Fun stuff

Worked with Android, HTML5 Canvas and Javascript, 2D and 3D OpenGL on a few personal projects. *https://github.com/mrinaldhar/work*

Technical Skills

Programming & Scripting	HTML, PHP, C, C++, Bash, Python, Javascript, *Swift, Java, Objective - C, C#, Assembly (Intel x86 and ARM)*
Web Frameworks & IDEs	web2py, Django, Slim PHP, *Ruby on Rails, Phonegap, NodeJS,* Eclipse, *Xcode, Visual Studio*
Other	CSS3, Bootstrap, *Polymer, Apache, MySQL,* git, Mercurial, OpenGL

Achievements

Dean's Merit List, IIIT-Hyderabad - Among top 4 in class; 2013-2015

Macmillan IAIS, University of New South Wales, Australia - Six times Gold Medallist securing High Distinction in Computer Skills and English; 2005-2011