Arpan Pal

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EDUCATION

UNIVERSITY OF SURREY
MSC. IN INTERNET COMPUTING
September 2013 | Guildford, UK
Cum. GPA: 65%

THE HERITAGE ACADEMY
BACHELORS' IN COMPUTER APPLICATION
June 2011 | Kolkata, India
Cum. GPA: 8.09/10
Major GPA: 9.14/10

KRISHNAPUR ADARSHA VIDYAMANDIR
May 2008 | Kolkata, India
HSE: 68.4% | SE: 79.25% (science)

COURSEWORK

POSTGRADUATE
Cloud Computing
Advanced Machine Learning
Databases & Knowledge Discovery
Web Hacking & Countermeasures
Enterprise Systems Development
Network and Information Security
Computing Ethics

UNDERGRADUATE
Data Structures
Object Oriented Programming
Computer Architecture and OS
Information Systems Design
Digital Electronics and Logic
Network Technologies
Database Design & Management
Numerical Algorithms

INTERESTS

Cloud Computing • InfoSec
NetSec • OS Architectures
Task and Transaction Automation
Machine Learning • Data Mining

LANGUAGES

English • Bengali • Hindi

LINKS

 arpanpal010
in arpanpal010
 arpanpal010

SKILLS

JAVASCRIPT ANGULARJS, NODEJS + NPM, EXPRESS, KARMA, GRUNT
DATABASE MONGODB, SQLITE3, MYSQL/MARIADB
PYTHON DJANGO/FLASK, NUMPY/SCIPY, BOTO, PILLOW
WEB HTML, CSS, LESS, BOOTSTRAP, FOUNDATION
JAVA, SHELLSCRIPT

IDE LINUX, VIM, TMUX, MAKE, GIT, ECLIPSE, SUBLIME TEXT
OS SEVERAL GNU/LINUX DISTROS, WINDOWS XP~7~8, OSX, FREEBSD

Worked with AMAZON EC2~ELASTIC BEANSTALK~S3, RASPBERRY PI, SSH, SSL, OPENVPN, APACHE, NGINX, UWSGI, MARKDOWN, $\LaTeX$, GITHUB/BITBUCKET/SVN, HEROKU, DOCKER, LOGSTASH

Familiar with OOP, MVC/MVVM, CI, REST, IAAS~PAAS~SAAS, VIRTUALIZATION, NETWORKING

EXPERIENCE

INGENIOUS MINDS CONSULTANTS | SOFTWARE DEVELOPER
January 2015 – Present | Kolkata, India
- Single Page Web Frontend using AngularJS/Bootstrap/LESS.
- Android OS Customization.

PROJECTS

HONEYPOT/MINI SERVER | PERSONAL CLOUD AND TOOLBOX
A Raspberry Pi running Linux, connected to the Internet via DynamicDNS, monitoring and blocking unauthorized access, as a development server providing SSH, VPN, SFTP, and self-hosted GIT repos, as well as locally serving DNS and micro media.

GEMINIBLOG | MINIMALISTIC PURE JS MARKDOWN BLOGS.
Static blogging webapp written in vanilla javascript. Supports markdown. Only server-side requirement is storage.

ARCHINST | ARCH LINUX INSTALLER
Command line installer for Arch Linux that installs and bootstraps the hardware from scratch, making a usable system (based on per-device preset templates) with minimum hassle.

CL!NSS@FIRE'13 | SET BASED SIMILARITY MEASUREMENT & RANKING MODEL TO IDENTIFY JOURNALISTIC TEXT REUSE.
(MSc Dissertation) Secured organizationally 3rd place in Cross Language Indian News Story Search Task at FIRE 2013. Paper submitted.

MULTI-BOOT USB
Booting multiple (16 as of 4th May 2015) Linux based OS(s) like debian, ubuntu and administration tools e.g GRML, CloneZilla, DBAN from a single USB key.

PLAGIARISM DETECTION APP | ON THE CLOUD.
Scalable app to detect and rank non-obfuscated text copying in documents based on shingling/tokenizing and MD5 hashing combining the technologies of Google App Engine, Amazon EC2, and Openstack. Paper submitted.

RANKFLICKS | INTELLIGENT MOVIE RANKING ENGINE
Knowledge based movie modelling and ranking engine using Neural Network + NumPY written in python.

SMS GATEWAY | SEND TEXT THROUGH THE WEB
Web based SMS gateway using WAMP stack, php5 and WayToSMS backend to send the texts.

REFERENCES AVAILABLE ON REQUEST.