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Jaiswal, Ruhil

Working with logarithms for pattern detection (Field: Bio-informatics).

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Experience:

Studeyo: August 15, 2016 – November 20, 2016 (3 months internship), Bengaluru Area, India
Project details: **Addng Technologies** - Service for automating targeted advertisements in accustom to the layout of the web page.
Contribution: Analytics on the data, logged in CloudWatch. Automating the process of report generation for various stakeholders.
Technologies: Python2.7, Pandas, Web2Py layouts, AWS CloudWatch

Jnaapti: February 10, 2016 – June 10, 2016 (4 months internship), Bengaluru Area, India
Project details: **Tame framework** - framework to define applications in form of a predefined structure. This gives adaptive capability to the interface. Featuring plug-able design at different levels of a framework and a library of predefined modules.
Contribution: Implementation of the first prototype (the architecture, data-flow, standardizing the definition structures, back-end, web interface, ..others.)
Technologies: Node.js (Express), ReactJs, MongoDB, Javascript, HTML, less, docker, Webpack

Jnaapti: January 2015 – June 2015 (6 months internship), Bengaluru Area, India
Project details: **Zim Wiki Web** (team of 4) - Zim Wiki, a personal information management solution, to the Web. Building a personal knowledge graph.
Contribution: Web interface, harnessing the api for Zim-wiki.
Technologies: CherryPy, Zimwiki project, JavaScript, Html/Css, Bootstrap

Papers Presented :

Pattern Detection Using logarithms *Version 3*: (original paper) advancement to the predecessor V*ersion 2*, implementing parallelization structure on the pattern detecting formula.

Pattern Detection Using logarithms *Version 1*: (original paper) a mathematical formula to compare numeric patterns.

Education :

Reva Institute of Technology and Management [VTU] (2012 – present):
Bachelor of Engineering (BE), Computer Science. Average Score: 59.5

City Montessori School, Gomti Nagar Campus [ISC] (2011 – 2012):
Secondary Education (10+2), Average Score: 74.4 (PCMC)
* PCMC - Physics, Chemistry, Maths, Computer Science and English

City Montessori School, Gomti Nagar Campus [ICSE] (2009 – 2010):
Primary Education (10th), Average Score: 80 (SMC)
* SMC – Basic Sciences, Maths Computers and English

Technical Skills :

Frequent Development	Python, JavaScript, ReactJs, Arduino, Shell Script (bash), HTML / CSS, Node.js
Familiar with	C/ C++, Java, MASM, BrainFuck, ArnoldC, Scala, ...others
Technologies & Libraries	Arduino, CherryPy, Docker (Swarm, micro-services), Express Server, MongoDB, OpenGl, Pandas, Raspberry Pi , Git, skLearn, sqlite3, make, ...others

Projects :

3 projects during Internships: TAME, Addng, Zim-wiki web

Books Manager: [June 20, 2017 – Present] Evolve your book-keeping with your changing business / standards. An interface to define the various rules for book keeping and report generation.
Technologies: Python3, ReactJS, MongoDB, CherryPy,

Code Integration System: [Jan 2017 – Jun 2017] (team of 3) creating math models for a given algorithm. Determining which algorithm is more efficient for the task.
Technologies: Python3.6, CherryPy (rest-server), Docker + function-dispatcher (PaaS)

Setup Dev Env: [Oct 10, 2016 – Present] Setting up a development environment and maintaining a overstraining system for the environment changes, and auto updation of the environment across remote systems. https://github.com/Jaiswal-ruhil/setup_dev_env
Technologies: Bash Script, git, Docker

Tame Schema Parser &Validation Module: [June 23, 2016 – June 26, 2016] npm package to help add syntactic sugar and separation of validation from tame schema definitions. npmjs.com/package/tame-schema-parser, npmjs.com/package/tame-validator
Technologies: Javascript (ES6), json

Urban Data Visualization: [May 9, 2016 – May 10, 2016] (team of 5) [UDV] Visualize textual data, for better understanding and decision making, preprocessing data and running analysis for conclusions and support with decision.
Technologies: Mapbox, Leaflet, C3, JavaScript, HTML, gulp, skLearn, Cherrypy, Python

Live Score: [Mar 15, 2016 – Mar 31, 2016] (team of 2) Update score for the live games being played in the campus. Built for the institution.
Technologies: Cherrypy, Python3, mongodb, ionic, cordova, json, AngularJS

Molecule Rendering: [Mar 2015] A simple OpenGL based viewer for the various configurations of atomic structures. Implemented using higher level functions in C++
Technologies: C++, OpenGl, make

Sic Simulator: [Jan 2015 – Feb 2015] For a given assembly language map the working on a hypothetical system (instruction set machine)
Technologies: Python, Cherrypy, Javascript, HTML / CSS

DTMF controlled Bot: [Aug 2014] An simple locomotive device controlled via Dual tone – multi frequency, communicated over cellular network.
Technologies: Arduino

Home Automation: [Mar 2013] (team of 2) An arduino based system to minimize the wastage of power consumption, by smart light control
Technologies: Arduino Uno, RoboC

...Others

Achievements & Awards :

- Sviskara 2017 (March, 2017) Reva University — Code-a-thon: Ist Position
- Coding Contest (Aug, 2016), Reva University — Ist Position
- Annual Hack-a-thon 2016, Reva University — Ist Position – project: UDV
- Letter of Appreciation, Jnaapti — Tame framework development
- Revamp 2016, Reva University — Code-a-thon: IInd Position
- Anaaadyanta 2016, NITTE — Code-debugging: IInd Position
- Revamp 2015, RITM — Code-A-thon: Ist Position
- Revamp 2015, RITM — Paper Presentation: Ist Position
- Revamp 2015, RITM — Project Demo: IInd Position
- Zest Arise 2015, RITM — Paper Presentation : Ist Position
- Revamp 2014, RITM — Code-A-thon: Ist Position
- RoboMania 2013, RITM — Line Follower: IInd Position

Certifications, Events, Workshops:

- Functional Conf 2016: conference that aims to bring ways of thinking using Functional Programming concepts, in daily practice.
- WebRTC 2016: seminars and talks related real-time communication over web.
- Pycon 2015: yearly conference related to python developments and trends
- Fsmk Camp 2015 (Freedom Hardware): Seven day camp related to Arduino programming and other hardware tools and technologies
- Jnaapti (volunteer) – March 2015: Meetup for HTML, AngularJS, Web components.
- Mobile Application Development, Symbian [Oct 2013](REVA): Introduction on developing applications on Symbian (S60)
- Towards Parallel Computing [Sep 2013](REVA): Basics of parallel computing structure, introduction to Open Message Passing
- Basic html and php [Sep 2013](Migids): Basics of HTML/CSS, PHP, MySQL
- Robot C [Jun 2013](Technophilia): **Certification Programme**; Working with Arduino Board and RoboC
- Basics To Robotics [Mar 2013](Shaastra): Introduction to robotics, AtMega8p
- Introduction to Arduino [Sep 2012](Atharvan): Introduction to arduino board and shields