Mohak Rajendra

Experience

Period	**Oct 2014**	
Project	**Integrated Content Experiences**	Microsoft, Vancouver
Company	**Microsoft Canada Development Center**	
	Building Automation for MSN Travel. Working on analytics and data analysis tools to measure various business metrics.	

Period	**August 2013 — Oct 2014**	
Project	**vCenter Operations Manager**	Vmware, Bangalore
Company	**Vmware India**	
	Core backend Java developer, developing vCenter Operations Manager to intelligently automate virtual environment performance, capacity planning and configuration management.	

Period	**May 2012 — July 2012**	
Project	**OpenCL code converter**	CDAC, Bangalore
Guide	**Ganga prasad Assoc Director**	
	This project aimed at automatic convertion of serial c code to parallel opencl code on any suitable devices	

Period	**June 2011 — July 2011**	
Position	**Intern**	BEEVOLVE, Bangalore
Guide	**Goldee Founder of Beevolve**	
	Development of Chat bot for suggesting users on the product and entertaining them.An Application using Facebook, Twitter api and showing the conversations in a magazine format(flipboard)	

Period	**May 2011 — June 2011**	
Postion	**Intern**	IISC, Bangalore
Guide	**Ajay Phd Scholar**	
	Its an initial stage of the NP-MICAV program a national initiative by Govt. of India.Developed an web application for three dimensional (3-d) rendering of structures using Web-GL and development of website for the project mostly with HTML5, Javascript and Mysql	

Education

Period	**July 2009 — July 2013**	
Degree	**B-Tech in Computer Science**	
Grade	**8.01**	
University	**National Institute of Technology**	Surathkal, Karnataka

Vancouver · British Columbia · Canada
✉ mohakraaj@gmail.com ☎ +1- 7782282515

PERIOD	**June 2008 — June 2009**
PREUNIVERSI	**Karnataka State Board**
PERCENTAGE	**84.3 (PCM 95.6)**
COLLEGE	**Sharada Pre University** Mangalore, Karnataka

PERIOD	**June 2007 — June 2008**
BOARD	**C.B.S.E**
PERCENTAGE	**90.6**
SCHOOL	**Jawahar Navodaya Vidhyalaya** Balehonnur, Karnataka

PROJECTS

- **EWALLET**
  Web based financial management service. It tracks and monitors all your budget and spending. Analyses and interprets your financial situation graphically. Also predicts next month spending using ML algorithms.

- **VIRTUAL CLASSROOM**
  Virtual Classroom is a simulated classroom via Internet, which provides a convenient communication environment for distance learning

- **INTRUSION DETECTION SYSTEM**
  (Major project) A hybrid approach to anomaly detection using fuzzy logic tuned with evolutionary algorithms https://github.com/mohakrajendra/IntrusionDetectionSystem

- **MACHINE LEARNING PROJECTS**

- SEARCH ENGINE: An intelligent Search engine using Pagerank algorithm and trained using neural networks https://github.com/mohakrajendra/SearchEngine

- OPTIMIZATION PROBLEMS : Room allotment problem in hostels is solved using multiple optimzation algorithms such as RandomFinder - HillClimbing - Stimulated Annealing - Genetic Algorithm https://github.com/mohakrajendra/FunctionOptimizer

- GENETIC PROGRAMMING : Genetic programming methodology to obtain a function for a given data set https://github.com/mohakrajendra/GeneticProgramming

- DOCUMENT FILTER: A Document classifier built using Fisher and NaiveBayseian Classifier https://github.com/mohakrajendra/Document-Filter

SKILLS

Computer Languages	C, C#, C++, Python, Octave, Java, R,
Web Development	Html, Css, JavaScript, Django
Graphics	OpenGL, WebGL
Databases	MySQL,Postgres
Tools	Git, Vim, Logism, Visual Studio, Shell scripting

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✉ MOHAKRAAJ@GMAIL.COM ☎ +1- 7782282515

ACTIVITIES

Awarded as the Best Employee in the yearly VMware team review
Awarded 3rd Place in Contrive National level Competition 'ENGINEER' 2010
Awarded 2nd Place in Marathon an National level Competition 'ENGINEER' 2011
Attended a research workshop on graph theory and algorithms by TIFR, Mumbai
Awarded as the Eccentric employee with the highest rating.
Co-founder of a social group BOARDMYBUS in NITK
Active member of NITK LUG and WEB CLUB
Active NCC Cadet

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