Vignesh Ram B. K

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# Personal Statement:

I started my career working for Tata Consultancy Services as a Web Developer. I then completed a Masters in Computer Science at Waikato University. Currently, I am actively seeking a full time opportunity in Software Development.

# Technical Skills

* ***Programming Languages*:** Java, C#, HTML5/JavaScript, C, C++, Python, AWK, Octave
* ***Databases*:** MySQL
* ***Software tools:*** WEKA, Microsoft Office

# Education

* **Master’s Degree in Computer Science** March ’14 – Nov ‘15

University of Waikato

**Courses include**

* + Extremely Parallel Programming
  + Machine Learning
  + Computational Finance
  + Data Mining
* **Bachelor of Technology (Computer Science and Engineering)** July ’08 – May ’12

SASTRA University, India

# Employment History

**Assistant Systems Engineer**, Tata Consultancy ServicesAug ’12 – Jan ‘14

* Maintained website of a large Retail Chain
* Website developed using Spring/Struts/Hibernate
* Programmed in Java/HTML/JavaScript/MySQL
* Built new features and fixed several minor bugs
* Used JUnit and PowerMock for unit testing
* Daily stand-up meetings with client to track progress

Link: <http://www.homedepot.com>

# Projects

* ***Decision Jungles***
* Personal project – Machine learning using Java
* Inspired by an academic paper
* Implemented a classifier to extend WEKA (an Open source ML library)

Github: <https://github.com/vingaram/DecisionJungle>

* ***Hangman Online***
* Personal project – Built a Web application to play Hangman online
* Players can create accounts and track scores
* User Interface coded in HTML5/CSS/JavaScript
* Python for server side scripting with MySQL back-end

Github: <https://github.com/vingaram/Hangman>

* ***Twitter data analysis***
* Personal project – Analyzed tweets from all over the world to find patterns
* Pulled data using Twitter REST APIs
* Used Java to parse 10 million tweets
* Found relationships between countries and popular hashtags

Github: <https://github.com/vingaram/TweetMiner>

* ***‘SeqStream’: Mining Closed Sequential Patterns***
* Part of the data mining coursework
* Reproduced the results of an academic paper
* Involves sophisticated pattern mining
* ***C++ Code Conversion and Simulation of Automata***
* Bachelor’s Degree Project
* Simulated Finite Automata using C++
* Simulated various other automata using Python
* ***Online Test Taking System –*** *TCS training project*
* A two person team project
* Built a Web application for taking tests
* Users can create accounts, create tests, take tests and view scores
* Contribution: Wrote Java server side code and some unit tests
* ***Library Management Project -*** *TCS Coding Camp Year 2007*
* Team project (High School)
* Built a Library Management System in C++
* Maintains members, books and answers queries

Github: <https://github.com/vingaram/Library-Management>

* ***Current Project***
* Designing a game inspired by Spore
* Uses Unity 5 engine and C#

# Strengths

* Good at meeting deadlines
* Have worked collaboratively in team projects
* Strong problem-solving and algorithmic skills

# Interests

* Gaming
* Listening to music
* Reading books

Referees

|  |  |
| --- | --- |
| Dr. Eibe Frank | Dr. Shaoqun Wu |
| Associate Professor | Lecturer |
| Computer Science Department | Computer Science Department |
| The University of Waikato | The University of Waikato |
| Private Bag 3105 | Private Bag 3105 |
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