

VIGNESH KARTHIKEYAN

54 South Huntington Avenue, Boston, MA 02130 • 617.800.3528 • kvignesh92@gmail.com

Available for Coop: Jan 2017 – Aug 2017

EDUCATION

Northeastern University, Boston, MA

Jan 2016 - Present

Master of Science

Major: Information Systems

Relevant Coursework: Advance Data Science, Data warehouse & Business Intelligence, Database Management & Database Design, Planning and Managing Information Systems, Program Structure and Algorithms, Advanced Database Management.

College of Engineering Guindy Anna University, Chennai, India

Aug 2010 – Apr 2014

Bachelor of Engineering

Major: Electronics & Communications

Relevant Coursework: Data structures & Object Oriented Programming in C++, Wireless Communication

TECHNICAL SKILLS

- **Programming:** C, C++, JavaScript, Python, R Programming, Angular JS, MATLAB, T-SQL
- **Data Visualization:** Tableau, Qlik Sense, Qlik View, Power BI, Power Pivot, DAX, MS Azure, SSAS
- **Web Design:** HTML5, PHP, CSS, Spring MVC
- **Cloud Technology:** Amazon AWS and Microsoft Azure
- **Databases:** MySQL, MS SQL Server, Oracle, PostGRE, SQL, MS Excel
- **ETL/ELT:** Talend, SSIS, Toad Data Modeler, Visual Studio DI

WORK EXPERIENCE

Polaris Consulting & Services Ltd, Chennai,

Dec 2014 – Dec 2015

IT Consultant

- Analyzing reports of EHT (Ethical Hack Tools) like Vera Code / Fortify 360.
- Customizing IBM Lotus Connections Software and worked on Activities, Files, Forums, Profiles, Communities, Blogs and Wiki APIs.
- Formulating vendor relationship spreadsheets distributed to management on a weekly basis.
- Aiding in performing a quarterly IT audit that creates reports for management.

Al Tajir Glass Industries, Dubai, U.A.E.

Sept 2014 – Nov 2014

Internship – Data Analyst

- Assimilated and analyzed daily production and sales reports based on efficiency, quantity packed, fuel and power consumption, and breakdown of downtime for various defects.
- Organized action plans for bridging gap between budgeted and actual performance in terms of production. Evaluated data on manufacturing defects and noted a defect impeding production by 4%. Result: Corrective action taken by management resulted in production efficiency gain of 2%.

ACADEMIC PROJECTS

Cyber Security in Medical Device Inventory Management Software

Jan 2016 - Apr 2016

- Designed and developed an enterprise level Java Swing Application using Ecosystem Model and Singleton Pattern to stimulate how cyber-security operations work for Inventory Management Software.
- Implemented the eco-system model using NetBeans IDE supported by DB4O as backend.
- Project demonstrated the need of shared utilization of resources like medical devices. Project included scheduling of medical procedures by healthcare facilities and the reservation of necessary staff and equipment.

Data Integration and Visualization

May 2016 - Aug 2016

- Integrated large-scale data from Contoso Database employing SQL Server Integration Services (SSIS) and Talend.
- Modeled a Data Warehouse by creating a multi-dimensional Schema consisting of Facts and Dimensions, flattened to Star Schema and performed source to target mapping combined with error handling.

Machine Learning for IoT: Real Time Weather dataset

Sep 2016 - Dec 2016

- Performed data discovery and visualization by creating various dashboards in QlikView, Qlik Sense, Tableau and Power Pivot.
- Performed regression and forecasting using ARIMA model on weather data set.
- Deployed a web application AWS that displays weather forecast for the following week and provides snow storm alerts.
- Executed machine learning algorithm in R, Python and data visualization in Tableau.