

Summary

Seeking an Internship Opportunity

5 years of experience in the field of Business Intelligence and Data Warehousing

LinkedIn: <https://www.linkedin.com/in/ashwinviswanathan88>

Github: <https://github.com/ashwin4ever>

Education

Oklahoma State University

2015 - Nov

PhD Computer Science

(Master's Degree Requirement completed)

2015 - Nov

GPA: 3.314

Anna University, India

2006 - 2010

Bachelor of Engineering- Computer Science

Professional Experience

OSU BAE & USDA

May 17 -

Role: *Image Processing and Web/Database Dev Intern*

- Used **Kinect V2 SDK** with **Processing 3.x** to capture Images from **Kinect**
- Wrote scripts to read data from Serial Ports streaming **GPS sensor data**
- Captured depth and RGB images to analyze behavior of the data space.
- Configured and installed **LAMP (Linux Apache MySQL and PHP)** stack for hosting webserver.
- Developed the website: <http://peanut.bael.okstate.edu/> using JS,HTML,PHP and MySQL.

Cognizant Technology Solutions:

2010 - 2015

Role: *Business Intelligence / Data Warehousing Developer*

- Expertise and knowledge in database programming languages like SQL, PostgreSQL
- Expertise in using Data warehousing tools like Pentaho and Informatica
- Clients include **Toyota Motor Systems, CCC Insurance, Staples** as well as in-house projects for Cognizant
- Conducted in house training sessions for fresher's joining the Organization on using Pentaho.

Skills

- **Programming Languages** : C ,Python, Java, HTML, JavaScript, PHP
- **Database Programming**: Oracle ,MySQL , SQL and PostgreSQL
- **Machine Learning/Big Data** : scikit , nltk , google-api , numpy , OpenCV
- Worked with **Kinect sensors and EMLID GPS sensors.**
- Comfortable interfacing devices with programming API's
- **Data Visualization** : D3.js and Processing
- **Scripting Languages**: ActionScript 3.0 , Processing , Javascript,D3.js

- **Data Warehousing tools:** Informatica 9.0 and Pentaho
- **API:** Google+ API , YouTube Data API
- **2D Software:** Adobe Flash
- Comfortable in Linux OS

Honors/Awards:

Received Top tier merit Scholarship from Oklahoma State University.

Relevant Courses:

- Machine Learning by Andrew Ng (Coursera)
- Big Data Analytics – Oklahoma State University
- Data Visualization (Udacity)
- Principles of Database Systems
- Artificial Intelligence 2 (Oklahoma State University)

Research Experience

- *Currently working on building brain inspired Cognitive Architecture.*
- *Written and presented a paper title ' **Brain Inspired Architecture for Data Similarity Identification** '*
- *Visualizing Human Computer Interaction using D3.js which aids in better design of User Interfaces for software systems.*
- *Wrote a python crawler to gather metadata info of YouTube videos for any given search term*

Academic Projects

- *Implemented **Hidden Markov Model** in Matlab to predict the closing prices of stocks*
- *Built a command line **simulation of OS** in Java with features like Paging, Segmentation, Memory Management and Page Handling mechanisms.*
- *Implemented **Finite State Machines** in Java to accept or reject languages*
- ***Web Based Database** (using PHP & MySQL): Built a web application using PHP with backend data being stored in MySQL.*

Research Publication

- Vaishnavi Kamasani, **Ashwin V Kannan** et. Al, “A Visualization Tool for Learning Statistical Analysis in Multi Tabular Datasets”, *IEEE International Conference on Advanced Learning Technologies - ICALT2016*

Teaching Experience:

2016 Numerical Methods.

2015 Data Structures-1 and Mobile App Development

2014 Recorded video lectures of Computer Programming in *Indian Institute of Technology (Chennai)* for undergraduate students in India.

Interests and Activities:

- Was part of the Center of Excellence (COE) group for Pentaho BI Suite at Cognizant (India)
- Member of Video Game Development Club at OSU.
- Learning Piano Grade 1 at Oklahoma State University.