

SHARMILA VELAMUR

Software Engineering & Data Science Professional

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<https://www.linkedin.com/in/svelamur>

EXPERIENCE

Consultant

Data Philosophy

Jan 2016 - ongoing

- Analyzed requirements and designed the architecture of a chargeback prevention & risk management application.
- Designed an automated data loading system involving dozens of third party APIs, databases and web data scraping.
- Modeled the domain, workflows and reports for the entire application using Sparx Enterprise Architect.
- Managed a team of 3 to 5 developers.
- Established software workflow, best practices, build/deploy protocols & SDLC tools for the IT department.

Software Engineer, Expert

Core Digital Media

Nov 2005 - Jan 2016

A 20 million dollar internet lead generation company with verticals operational in the lending, insurance, and education industries.

- Collaborated with product management, analytics, and quality assurance teams to continuously build and optimize a large B2C website with over 6.5 million visitors per month.
- Led large key projects through the entire project lifecycle, from technical requirement documentation to production deployment and post-release analysis.
- Served as a key stakeholder and lead developer in building mobile-optimized web applications for debt and lending forms in 2013, resulting in a 35% increase in traffic conversion.
- Successfully built and maintained the in-house AB website testing platform, increasing testing efficiency and effectiveness for the marketing and consumer experience teams.

Software Engineer

Ultra Swift LLC

2004 - 2005

This company provided remote database administration and consultancy services.

- Created and maintained a content management system (intranet).
- Designed and implemented an activity based time tracking system for the consultants.

LIFE PHILOSOPHY

"You see things; you say, 'Why?' But I dream things that never were; and I say 'Why not?'"

George Bernard Shaw

EDUCATION

Master of Information & Data Science

University of California, Berkeley

May 2015 - ongoing

Bachelor of Engineering, Computer Science

Annamalai University, India

1996 - 2000

TECHNOLOGIES

Data Science

Spark Hadoop Python R

Hive AWS EMR Jupyter

Beaker neo4j cytoscape.js

d3.js Scala Tableau

Openrefine A/B Testing SQL

NoSQL

EXPERIENCE

Web Developer

Idaho Department of Health & Welfare

2002 - 2004

- Led the in-house development team on the HIPAA compliance project.
- Single handedly designed, implemented and deployed the Child Support Payment Tracking Website.

Programmer Analyst

Cognizant Technology Solutions

2000 - 2001

Developed the collision repair services portal for a car insurance company.
Built a bug-tracker system and served as SCM for the team.

Summer Research Fellow

Tata Institute of Fundamental Research

June 1999 - Aug 1999

BILINGUAL

English



Tamil



DATA SCIENCE PROJECTS

Mapping the Trump World

Jan 2017 - ongoing UC Berkeley

<https://sites.google.com/dataphilosophy.io/sharmila-velamur-projects/home>

Do GOTV Efforts Really Work?

Sep 2016 - Dec 2016 Location

<https://sites.google.com/dataphilosophy.io/sharmila-velamur-projects/home>

Kaggle - Facial Keypoints Detection

Sep 2015 - Dec 2015 UC Berkeley

<https://sites.google.com/dataphilosophy.io/sharmila-velamur-projects/home>

Twitter Spam and Fraudulent Websites

Sep 2015 - Dec 2015 UC Berkeley

<https://sites.google.com/dataphilosophy.io/sharmila-velamur-projects/home>

TECHNOLOGIES

Software Engineering

Java

Spring

Hibernate

Object Oriented Design

RDBMS

Javascript

HTML

CSS

Git

Maven

Gradle

Gulp

Node

Cucumber

JUnit

Web Services

Mockito

Agile

JIRA

Confluence

AWARDS

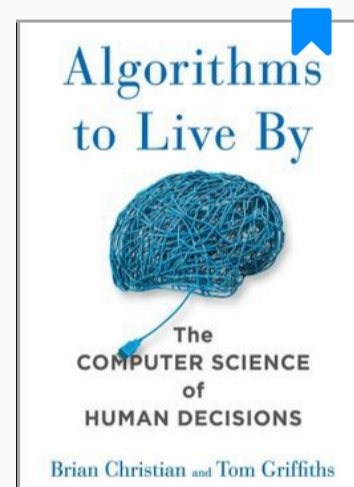


Extra Mile Award, Idaho Dept of Health & Welfare



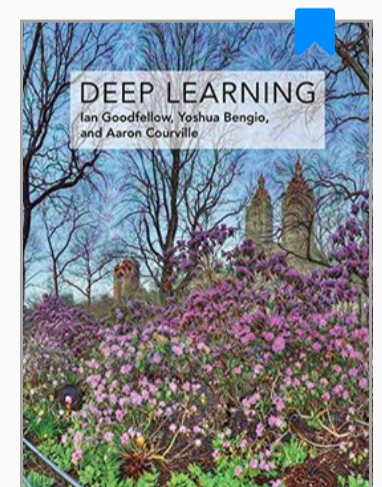
Leadership Award, Core Digital Media

CURRENTLY READING



Algorithms To Live By

Brian Christian & Tom Griffiths



Deep Learning

Ian Goodfellow, Yoshua Bengio & Aaron Courville