

Shivam Tiwari

Chief Knowledge Officer at ScrapLabs

iam@shivamtiwari93.in

Summary

I am Shivam Tiwari and I have nothing to say --

Experience

Chief Knowledge Officer at ScrapLabs

August 2014 - Present (8 months)

We have been creating some great knowledge and learning resources at our firm. The need was for managing them, archiving them and someone to act as the custodian of all this intellectual property. I was chosen to step up as the CKO. Hope to live up-to the faith.

Java Developer, Wordpress Website Management at Freelancer

November 2013 - January 2015 (1 year 3 months)

Making Wordpress websites, billing systems in Java and whatever my clients require. I enjoy the flexibility of freelancing and a certain anonymity that shields me from acquiring tunnelled vision.

Mentor / Curriculum Developer at ScrapLabs

April 2012 - August 2014 (2 years 5 months)

Great minds of today, training great minds of tomorrow. The fate of my country is being written in classrooms everyday and we cannot afford to cast our youth into stereotypes. I help students think creative and enjoy learning by doing via Engineering Labs.

Team Member - Skill Series at The Alumni Fraternity

September 2012 - January 2013 (5 months)

Workshops, event, skill development and fun.

Content Creator at Campus Ghanta

June 2012 - January 2013 (8 months)

Writing and tearing pages, emptying recycle bin, making coffee and forgetting to drink it.

Manager at GDG IIIT NOIDA

March 2012 - January 2013 (11 months)

I started the Google Developer Group - Jaypee Institute of Information Technology NOIDA with a few other like-minded people. The exposure and interfacing experience has been unmatched till date. It was lovely to work with people who could summon brilliance at will.

Volunteer Experience

Intern at Leaders For Tomorrow

December 2012 - March 2013 (4 months)

Worked on ADAR (Anti-Drugs Anti-Ragging) campaign.

Intern at Center for Philosophy and Foundations of Science

November 2010 - February 2011 (4 months)

Interacted with scientists, visited research labs and gained perspective into the R & D scenario in India.

Projects

ScrapLabs P2P Learning Wiki Portal

December 2014 to March 2015

Members: Shivam Tiwari, Omar Ghufan

MediaWiki (<https://github.com/wikimedia/mediawiki>) implementation for scraplabs P2P Learning portal wiki. Also generated content and developed curriculum.

ScrapLabs email client

December 2013 to Present

Members: Shivam Tiwari

Rainloop mail client (<https://github.com/RainLoop/rainloop-webmail>) implementation for ScrapLabs email.

ScrapLabs P2P Learning

January 2015 to February 2015

Members: Shivam Tiwari, Omar Ghufan

Created content, developed curriculum, created project website of the ScrapLabs P2P Learning programme.

JSphinx - A IIIT layer over CMU Sphinx

September 2014 to January 2015

Members: Shivam Tiwari, Siddharth Taneja, Mahima Goel

Wrote a wrapper class around an existing project called CMU Sphinx (<http://cmusphinx.sourceforge.net/>) from Carnegie Mellon University. We boosted its AI and improved its performance by applying geo-specific acoustic models and machine learning. Demo: <https://www.youtube.com/watch?v=80f93yAST8E>

Engineering Labs for visually impaired school children pilot project

October 2014 to November 2014

Members: Shivam Tiwari

Created content, curriculum and designed kits for visually impaired students enrolled in Engineering Labs trial run. https://www.youtube.com/watch?v=NS52_WkVZhA <https://www.youtube.com/watch?v=NQM8aLG2Y8c>

Performance comparison of Global and Preferential crawlers

January 2014 to June 2014

Members: Shivam Tiwari

While working on the crawler4j project for one of my assignments I realized that no performance comparison demonstrations existed for global versus preferential crawlers that were relevant for students. So I registered my own project and made one.

Apriori analysis tool in java

January 2014 to February 2014

Members:Shivam Tiwari

Stumbled upon a good project (<https://github.com/kuberkaul/Apriori-Miner-Association-Rules>) which applies Apriori algorithm on a dataset. Improved the structure and performance of the code.

Data Analysis Application for Project ASRU

January 2014 to July 2014

Members:Shivam Tiwari, Rahul Malhotra

After successfully completing Project ASRU in the last semester, we plan to make a data analysis application for the same. While Project ASRU was intended for micro entities like home, offices and factories; this application is intended to help macro entities like industries, state governments and nations take decisions relating to resource and energy management.

Placement prediction system

January 2014 to July 2014

Members:Shivam Tiwari, Siddharth Srivastava

Based upon the data of subject grades and campus placements in past years of my college, this software generates predictions of placements in the next year. It uses data mining and concepts of Artificial Intelligence where it takes wrong predictions and variances into consideration and accounts for it in future predictions.

Project ASRU

June 2013 to December 2013

Members:Shivam Tiwari, Rahul Malhotra

Analytic System for Resource Utilization (Project ASRU) is an intelligent micro system that monitors the resource consumption in houses/factories/workspaces and provides real-time in-depth analytic. Its capabilities are now also being extended to security, safety and fault detection.

Creating a render farm on a shared network

June 2013 to December 2013

Members:Shivam Tiwari, Rahul Malhotra

Just discussing concepts of super computing, we felt we could create one in our college's computer lab. We brought together a dozen PCs and tried to create a Rendering network for IP - from scratch and code.

Advertisement management system

March 2012 to September 2012

Members:Shivam Tiwari, Vibhuti Bansal

We created a software to help advertising firms to manage campaigns, payments, client data, operational data and finances. Concepts of Object Oriented Programming were extensively used.

Management system for Schools

March 2012 to September 2012

Members: Shivam Tiwari, Vibhuti Bansal

A little study of ours found out that there weren't any good school management systems available in the market. We tried to create a simple system designed for students, teachers and administration of schools. Administrative tasks like accounting, documentation, planning, etc were incorporated as well.

Demonstration for heat seeking missile navigation

July 2011 to December 2011

Members: Shivam Tiwari, Vibhuti Bansal

This was to demonstrate the working of heat seeking guidance systems in missiles and how their accuracy could be limited by manoeuvres performed by target. I was able to generate decent outputs and found a few techniques for the missile to learn from previous missed-shots which were sent to unfired missiles.

Channelizing Rain Water

February 2010 to November 2010

Members: Shivam Tiwari

Back in school I put forth a design by which cities could be turned into rain water traps to restore and replenish the scarce resource. I am grateful to my teachers for supporting me throughout this.

Languages

English

(Professional working proficiency)

Hindi

(Professional working proficiency)

Skills & Expertise

Teaching

Public Speaking

Microsoft Office

Social Media

Algorithms

Programming

C

HTML

Java

Teamwork

WordPress

Computer Science

Research

English

Blogging

Education

Jaypee Institute of Information Technology, Noida

Bachelor of Technology (B.Tech.), Information Technology, 2011 - 2015

Activities and Societies: Creativity and Innovation Cell in Robotics, Debating Society, Music Society, Programming Hub

Kalka Public School

Higher Secondary Education, Physics, Chemistry, Mathematics, 2009 - 2011

Activities and Societies: Internship at Center for Philosophy and Foundations of Science, Debating

Interests

Teaching, making music, politics, blogging, debating, etc.

Shivam Tiwari

Chief Knowledge Officer at ScrapLabs

iam@shivamtiwari93.in



[Contact Shivam on LinkedIn](#)