

Swastik Roy

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CONTACT INFORMATION

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SUMMARY

Full Stack Software Engineer with **+2 Years** of Experience. Hands-on experience on various End-to-End Development technologies, caching techniques, latency, throughput management and code refactoring.

EDUCATION

MASTERS IN COMPUTER ENGINEERING
[ARIZONA STATE UNIVERSITY](#), Tempe, AZ

Cum. GPA: N/A
Expected May 2019

BACHELOR OF TECHNOLOGY
[INDIAN INSTITUTE OF TECHNOLOGY](#), DHANBAD, INDIA

GPA: 3.63/4
Graduated May 2015

WORK EXPERIENCE (+2 Years)

GRADUATE TEACHING ASSISTANT at [ARIZONA STATE UNIVERSITY](#)

August 2017 – December 2017 | Tempe, AZ

- Teaching Assistant for course CSE340 “Principles of Programming Languages”.

WEB DEVELOPER & INDEPENDENT CONTRACTOR at [SCORENEXUS](#)

June 2017 – August 2017 | Online

- Extended Scorenexus website, an online test taking platform used by TOEFL test takers, using PHP Codigniter framework.
- Implemented in-browser audio encoding, and integrate payment gateway using Foxycart framework.

SOFTWARE ENGINEER at [BEEHYV SOFTWARE SOLUTIONS](#)

June 2015 – June 2017 | Hyderabad, India

- Engineered end to end modules for a Question-Answering Platform used to answer user queries on ecommerce websites.
- Increased accuracy of the software to interpret questions by 18% using **Natural Language Processing** techniques such as dependency parsing, named entity recognition, relationship extraction and **Machine Learning** to classify questions.
- Developed **crawlers** and **parsers** to extract text from documents(DOC, PDF) & Web using Apache Nutch, JSoup, HTMLUnit.
- Improved accuracy of HTML DOM based approach to **extract semi-structured data** from web by extending with visual approach using CSSBox library, from 51% to 65%.
- Programmed REST services using Java Spring Backend and Hibernate. Documented web services using Swagger.
- Built plugins(**Magento, Jira & Standalone Javascript SDK**) to integrate the platform into third party websites.
- Redesigned and optimized official website of Beehyv for search engines.
- Created kiosk app to control salad making robot Sally([Chowbotics Inc.](#)) using Android with Spring Framework and MongoDB.
- Managed a team of developers, built [android application](#) and map visualization to monitor survival of 75600 low birth weight babies in Bihar state of India.

INTERNSHIP

SOFTWARE ENGINEERING INTERN at [SOCIALHOOP](#)

May 2014 – July 2014 | Mumbai, India

- Implemented real-time messaging for the company website using MongoDB and Socket.io.

SKILLS

Programming Skills: Object Oriented Programming • Design Patterns • Code Refactoring

Programming Languages: Java • JavaScript • C/C++ • Python

Databases: MySQL • MongoDB • Elasticsearch • SQLite

Web: HTML5 • CSS/SCSS/LESS • Grunt/Gulp • Bower • AJAX • JQuery, Angular, React • Bootstrap, SemanticUI • SEO

Mobile: Native Android • Ionic(Hybrid) • Windows Phone • Desktop(Electron)

Frameworks: Java Spring • Python Django • PHP Codigniter • NodeJS • Apache Spark • SockJS

Natural Language Processing Tools: OpenNLP • WordNet • Word2Vec • IBM Watson • Stanford CoreNLP

Information Extraction Tools:HTMLUnit • JSoup • Apache Nutch • Boilerpipe • CSSBox

AWARDS

- National Finalist at Microsoft Imagine Cup, India [2013](#), [2014](#) and [2015](#)

- Among top 30 teams as a semi-finalist at Dell Social Innovation Challenge 2013