

Sagar Suresh Panchal

Software Engineer

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Education

Master of Science in Computer Science – GPA 3.8/4.0

August 2017 - May 2019

Indiana University, Bloomington, USA

Relevant Course Training: Object Oriented Software Engineering, Agile Methodologies, AI, Data Structures and Algorithms.

Bachelor of Engineering in Computer Engineering – GPA 3.47/4.0

August 2012 - May 2015

K J Somaiya College of Engineering, University of Mumbai, India

Diploma in Computer Engineering – 87.81%

September 2009 - May 2012

K J Somaiya Polytechnic, India

Skillset

Programming Languages:	Java, Spring Boot, GraphQL, JavaScript, C#, Python, PHP, jQuery, HTML5, CSS, Bootstrap, Ajax.
Frameworks, Libraries and IDE's:	JUnit, Dot Net, MVC, Entity Framework, Telerik UI, IntelliJ, PyCharm, MS Visual Studio, STS.
Databases:	MySQL, MS SQL, Oracle, MS – Office Software(Access).
Project Utility:	Atlassian JIRA, SCRUM, GitHub, Team Foundation Server (TFS).
Certifications:	C# 4.0 from IKM, Basic orientation to Industry Business using SAP ABAP programming.

Work Experience

Software Engineer, Larsen and Toubro Infotech (LTI), Mumbai, India

July 2015 – July 2017

- Analysed business requirements, domain specifications and developed applications for a major Oil and Gas client.
- Reduced client cost of \$77K by amalgamating the work of 5 remote servers into a centralized server for auto indexing application, built in C#, ASP.NET MVC using Telerik UI controls, Entity Framework, Oracle and MSSQL server.
- Lead, trained and mentored a sub-team of 3 throughout the aforementioned project milestone.
- Recommended 14 profitable process improvements that extensively minimized client as well as team efforts.
- Performed static and dynamic code analysis using HP Fortify Software Security Center to analyze and rectify vulnerabilities.

Web Developer Intern, Imedz Systems Pvt. Ltd., Mumbai, India

June 2014 - July 2014

- Designed and developed an Online Admission System using PHP, JavaScript, Ajax and MySQL database.
- Optimized the page rank by adding meta tags, description, removing broken links added 404 page for implementing SEO.

Technical Projects

Action List API

January 2018 – May 2018

- Collaboratively establishing a Data API using GraphQL and Java Spring Boot which will fetch data as per user preference. Used JUnit testing framework to perform Unit and Integration testing on the API.

Gamify

August 2017 – December 2017

- Conceptualized and built a social network web application for sports enthusiasts to collaborate with people of similar interests to meet and play together. Tech stack used for development was JavaScript, PHP, HTML, CSS, Bootstrap and MySQL database.

Image Classification

September 2017 – October 2017

- Collaborated & Implemented supervised machine learning classifiers like k-nearest neighbors, Adaboost and Neural-Networks in Python for image classification. Trained on a corpus of 36K images and achieved accuracy of 73% on test set of 1K images.

Gujarati WordNet

August 2014 – May 2015

- Created a lexical database, that comprises of synsets, relationship among these synsets figure of speech and provides usage examples to understand the context of the word. Developed using Ajax, Native Javascript, PHP.

CellBuster

December 2011 – March 2012

- Programmed a device that detects active phones within a range of 1.5 meters in restricted areas like exam halls & confidential rooms. Interfaced the hardware and software using Visual Basic.

International Publications

Gujarati WordNet – A Lexical Database

- Published a research paper in “International Journal of Computer Applications”, Volume 116–No.20, ISBN: 973-93-80886-31-9, co-authored by Parth Shukla, Piyush Panchal, Jayesh Kolte and Bharathi H N (mentor). Year of publication: 2015.