

Sagar Suresh Panchal

Software Engineer

1750 North Range Road, Apt #C203,
Bloomington, Indiana-47408

[linkedin.com/in/sagarpanchal8793](https://www.linkedin.com/in/sagarpanchal8793)
github.com/sagarpanchal8793

Cell: +1 812 369 2183
Email: spanchal@iu.edu

Education

- **Master of Science (MS) in Computer Science**, *Indiana University Bloomington, USA* – 3.9 GPA Aug 2017 - May 2019
- **Bachelor of Engineering (BE) in Computer Engineering**, *University of Mumbai, India* – 3.47 GPA Aug 2012 - May 2015
- **Diploma in Computer Engineering**, *University of Mumbai, India* – 87.81% Sep 2009 - May 2012

Skillset

Course Training:	Object Oriented Software Engineering & Management, Agile Methodologies, Data Structures & Algorithms, SQL & NoSQL, Advanced Operating Systems
API & Programming Languages:	GraphQL, Java, C#, Node JS, C, C++, Laravel, Coffee Script, Cypher, XML DTD, XPath, XQuery, JavaScript, Python, PHP, jQuery, HTML5, CSS3, Bootstrap, Ajax
Frameworks & IDE's:	Docker, JUnit, Spring Boot, Dot Net, MVC, Entity Framework, Telerik UI, IntelliJ, PyCharm, MS Visual Studio, STS
Databases:	Neo4j, MongoDB, Redis, HBase, XML, MySQL, MSSQL, Oracle
Project Utility:	GitHub, Bitbucket, Travis CI, Jenkins, Raygun, Code Climate, JUnit, Confluence, TFS, Spring REST Docs
Certifications:	C# 4.0 from IKM, Basic orientation to Industry Business using SAP ABAP programming

Work Experience

Bloom Insurance Agency, *Software Developer Intern* May 2018 – Aug 2018

- Developed features in an Enterprise facing product line using technologies such as **C#, MVC, MVVM, ASP .NET**.
- Participated in **code reviews**, followed an **Agile (SCRUM)** methodology, used **Bitbucket** as VCS, **JIRA** for Issue Tracking, **Jenkins** as Build and CI tool.

Larsen and Toubro Infotech (LTI), *Software Engineer* Jul 2015 – Jul 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.

Projects

News Recommendation Using Knowledge Graph Jan 2018 – May 2018

- Jointly developing News recommendation system using **Neo4j** and **Python** by interfacing them using **neo4jrestclient** library.
- Implemented Content based & Collaborative based filtering algorithm techniques to recommend news.

Action List API Jan 2018 – May 2018

- Collaboratively establishing a Data API using **GraphQL** and **Java Spring Boot**, to fetch data as per user preference & **Dockerized** it.
- Used Maven, GitHub Workflow, JUnit, Travis CI, Code Climate, Spring REST Documentation, Postman, JIRA, Confluence.

Gamify Aug 2017 – Dec 2017

- Built a social network web app for sports enthusiasts to collaborate, meet & play together with people of similar interest.
- Developed in a team of **four** & technologies used were **JavaScript, PHP, HTML, CSS, Bootstrap and MySQL** database.

Image Classification Sep 2017 – Oct 2017

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

Gujarati WordNet Aug 2014 – May 2015

- Created a WordNet application for **Gujarati Language** which uses a lexical database comprising **synsets**, relationship between synsets & provides usage examples to understand context of that word.

International Publications

Gujarati WordNet – A Lexical Database

- Published a research paper in *“International Journal of Computer Applications”*, Volume 116–20, ISBN: 973-93-80886-31-9, co-authored by Parth Shukla, Piyush Panchal, Jayesh Kolte and Bharathi H N (mentor). Year of publication: **2015**.