

Sagar Suresh Panchal

Software Developer

+1 (812) 369-2183

sagarpanchal8793

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Education

- Master of Science (MS) in Computer Science, Indiana University Bloomington, USA – 3.92 CGPA Aug 17 – May 19
- Bachelor of Engineering (BE) in Computer Engineering, University of Mumbai, India – 3.47 CGPA Aug 12 – May 15
- Diploma in Computer Engineering, University of Mumbai, India – 87.81% Aug 09 – May 12

Work Experience

Bloom Insurance Agency, Software Developer Intern May 18 – May 19

- Developed features like Bulk Resource (Docs) Upload in an enterprise facing product line using C# & ASP.NET technologies
- Participated in code reviews, followed Agile (SCRUM) methodology, used Bitbucket as VCS, JIRA for Issue Tracking and Jenkins as Build and CI/CD tool

Larsen and Toubro Infotech (LTI), Software Engineer Jul 15 – Jul 17

- 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 project milestone.
- Recommended 14 profitable process improvements that extensively minimized client's as well as team efforts.

Academic Projects

NetBoox Aug 18 – Dec 18

- Implemented an on-demand Book reading platform for application subscribers (like Netflix).
- Built in microservices based architecture using Docker, Node JS, Java Jersey, Python Flask, Mongo DB, Jenkins, Kafka, Zookeeper.

News Recommendation Using Knowledge Graph Jan 18 – May 18

- Jointly developed 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 18 – May 18

- Collaboratively emerged 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 17 – Dec 17

- Built a social network web application 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 17 – Oct 17

- 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 83% on test set of 1K images.

Gujarati Wordnet Jan 15 – May 15

- Created WordNet application for Gujarati Language which uses a lexical database comprising synsets, relationship between them & gives usage examples to understand the word. Published a paper, known as Gujarati Wordnet – A Lexical Database.

Skillset

Related Coursework:	Machine Learning in Signal Processing, Science Gateway Architectures, Object Oriented Software Engineering & Management, Artificial Intelligence, Data Structures & Algorithms, SQL NoSQL, Advanced Operating System
API & Programming Languages:	React JS, Node JS, GraphQL, Python, C#, Java, Vue JS, Python Flask, Java Jersey, C, C++, Coffee Script, Cypher, XML DTD, XPath, XQuery, Vanilla JS, PHP, jQuery, HTML5, CSS3, Bootstrap, Ajax
Frameworks & IDE's:	Kubernetes, Docker, Spring Boot, Dot Net, MVC, Entity Framework, Infragistics UI, 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

Extra-Curricular Activities

- Serving as the President of the 'Cricket Club' at Indiana University. (registered by IU Club Sports Federation). Apr 18 – May 19
- Chief of 'Infra and Security' council for annual technical and cultural events in KJSCE. Jun 14 – May 15
- Secured a Runner Up trophy in Volleyball Tournament in Skream-15', a State Level Sports Summit. March 15