

Jay Gabhawala

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TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, HTML/CSS.

Database: SQL, MongoDB, Firebase.

Frameworks and Libraries: React, Backbone.js, Bootstrap, Webpack, Flask, Django, JQuery, Flutter.

Observability Platforms: Splunk, SignalFX

Cloud: Amazon Web Services (AWS), Google Cloud, Splunk Cloud.

Developer Tools: Git, Docker, Artifactory, Visual Studio, PyCharm, IntelliJ, Eclipse.

Continuous Integrations / Continuous Deployment: Gitlab, Jenkins.

EDUCATION

Master of Applied Computing

Sep 2022-Present

University of Windsor, Windsor, Ontario Canada

- Currently in the third semester of the Master's with cumulative grade of 84.83/100.
- Studied advanced Computer Science courses like Advanced Software Engineering, Advance Database, Advanced System Programming, Advance Computing Concepts along with some Management and Business courses like Managing Employees and Marketing.

Bachelor of Technology in Computer Engineering

Jul 2017-Jun 2021

Nirma University, Ahmedabad, Gujarat, India

- Laid groundwork for in the principles of Computer Engineering and Science with courses like Theory of Computing, Operating Systems, Object Oriented Programming, etc.
- Got the opportunity to study new domains of computer science with courses like Machine Learning, Internet of Things, Cloud Computing.

PROFESSIONAL EXPERIENCE

Software Engineer 2

Jan 2021-Aug2022

Crest Data Systems LLP, Ahmedabad, Gujarat India

- As a Software Developer Intern, I contributed to developing the Sophos Splunk apps including a TA (Technology Add-on) for ingesting data from Sophos Central APIs into Splunk and designed a user-friendly Sophos central dashboard app to provide summaries of data from all Sophos apps for Splunk.
- Developed a robust application for the Sophos Kaseya Central Integration deployed as a Kaseya VSA plugin app.
- In the role of Software Engineer 1, collaborated with cross-functional client teams using agile methodology to deliver successful releases.
- Developed and Maintained the various premium apps under the Splunk Umbrella including Splunk Security Essentials which is a premium security analysis and monitoring app provided by Splunk.
- As a Software Engineer 2, I Spear-headed migration of Splunk Security Essentials app from Backbone.js to Splunk React UI, along with the migration of Bitbucket-Jenkins to Gitlab.

Summer Intern

May 2020-Jun2020

Tata Consultancy Services Pvt. Ltd, Pune, Maharashtra, India

- Researched on various Knowledge Graphs - Lexical, Factual and KG representation models.
- Leveraged the knowledge in KGs to optimize word vectors using the three R & D methods: Joint Specialization models, Retrofitting models, and Joint Embedding models.

ACADEMIC PROJECTS

Crop and Fertilizer Recommendation Engine

University of Windsor

Technologies: Flask, JavaScript, HTML/CSS, Python

- Researched in a team of 3 by analysing relevant crop and fertilizer data to build machine learning models that recommend crops and fertilizers and on the basis of soil content and environmental factors.
- Deployed the machine learning models as a Flask API.
- Created a web application using HTML/CSS and JavaScript for front-end, Flask Python for back-end and MongoDB as a database.
- Created a simple, frugal and accurate solution to overcome the question of which crop and fertilizer combination will give more yield.

Swastha - Health Monitoring App

University of Windsor

Technologies: Flutter, Google APIs, Mobile Development, Google Fit

- Created an Android and IOS compatible mobile application to deliver real-time health monitoring insights and made compatible with a wide range of Google Fit compatible devices.
- Managed and collaborated with a team of 8 utilizing SCRUM methodology to imitate the industry environment.

Smart Home Automation System

Nirma University, Ahmedabad

Technologies: Python, Blynk, Raspberry Pi

- Constructed a Wifi based smart home automation system in a team of 2 with features of automation for lights including timers, sensor (temperature and humidity) actuated control for AC and exhaust appliances.
- Invented and designed security and safety features of smart fire alarm system including an email notification and face recognition based door lock including record and alert of unregistered users.

E-learning Portal

Nirma University

Technologies: JavaScript, JSP, Java, Glassfish server, SQL, HTML, CSS

- Drove end-to-end coding of E-Learning Portal application for students to enroll in courses, access course materials and practice exercises.
- Developed utilities for search of courses, how to enrolment, student progress and continue course.