**Gursahib Singh**

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**Summary**

Highly ambitious, hard-working and result-driven individual with1.5+ year of experience in software development, infrastructure management and automation. Skilled in web development and problem solving as well.Aims to work in an environment that is conducive for learning and that gives the scope to add value to the organization as well as help widen the spectrum of my knowledge.

**Skills**

Infrastructure Management Automation Web Development Team Work

Scripting Problem Solving Database Management Adaptability

**Core competencies**

C++ Perl React.js Perforce

Python Shell scripting JavaScript Django

**Achievements**

* 100% result for timely and quality product releases.
* Merit Scholarship holder during under graduation for 4 years which was awarded to 7/600Computer Sciencestudents.

**Work Experience**

* **Senior Member Technical Staff** Aug 2019 — Present

Siemens EDA (Mentor Graphics), Noida

* Responsible for Infrastructure management of one of our products.
* Responsible for product release, build testing and regressions.
* Responsible to maintain and develop Infrastructure Dashboard.
* Responsible to maintain and develop tools/scripts to support R&D.
* Responsible for automation of scripts and tools.
* **Software Intern** Jan 2019 — June 2019

Siemens EDA (Mentor Graphics), Noida

* Improved user experience by developing web apps, and enhancing features in department’s existing website.
* Worked on Both Frontend (HTML, CSS, JavaScript, Vue.js, D3.js) & Backend (Python, Bash, Perl, SQL database)

**Projects**

* **Web-based Infrastructure Dashboard**
* Developed new features in the Infrastructure Dashboard that helped R&D to have a better view over product regression and release related data.
* It involved extracting data from various log files and then processing it using Python and JSON.
* Finally displaying it with the help of Flask, JavaScript, HTML and CSS keeping in mind interactive user experience.
* **Mapped Directory for Test Case Repository**
* The aim of the project was to develop a ‘phone directory’ type structure for the test case repository to help find which test case belongs to which group.
* The core concepts used were Object Oriented Programming, recursion, stack, DFS.
* The project helped R&D, QA and Infrastructure team extensively to find information about test cases in a very convenient way and thus saving a lot of precious time and effort.
* **Personal Website**
  + The aim of the project was to learn web development with hands-on project. Displays information about past projects.
  + The website acts as a digital resume and displays information about me, projects and blogs.
  + It's built with Django/Python and frontend created with JavaScript, HTML and CSS. The website is hosted with Heroku.
  + [Link](https://gursahibsingh.herokuapp.com/) | [GitHub Repo](https://github.com/codesahib/mysite)
* **Mood Mapper - Android App**
* The aim of the project was to learn android development with hands-on project.
* The app helps to track the mood of a user on daily/weekly/monthly/yearly basis and display the data as pie chart.
* Programed in Java and used core concepts like ViewModels, SQLite Database, Activity and Fragment communication. Version control using Git.
* [GitHub Repo](https://github.com/codesahib/Mood-Mapper)
* **Project ToDo - Frontend React.js application**
* The aim of the project was to learn React.js frontend library and Node.js.
* The webapp helps to track various projects and tasks contained within each project.
* Programmed using React.js, JavaScript, Node.js and version control using Git.
* [Github Repo](https://github.com/codesahib/Project-ToDo/tree/master/frontend)

**Education**

* Bachelor of Engineering(Computer Engineering)
* Thapar Institute of Engineering & Technology, Patiala
* 2015-2019
* 9.50 CGPA
* Class 12th
* Kundan Vidya Mandir, Ludhiana
* 2015
* 95.6%
* Class 10th
* Kundan Vidya Mandir, Ludhiana
* 2013
* 10 CGPA

**Extra-Curricular**

* Active participation in company organized events.
* Social media admin of one of the college clubs.
* Head Boyof school (2014-2015).
* Organized Blood Donation camp at school managing a team of 30 students and managing participation of 300+ donors.

**Languages** – English (Fluent), Punjabi (Native), Hindi (Fluent)