GURSAHIB SINGH

gursahib.kvm@gmail.com | Ludhiana, Punjab | +91 80549 23749

GitHub   LinkedIn

SUMMARY

Highly ambitious, hard-working and result-driven individual with 1.5+ 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

Programming
- C++, Python, Perl, Shell

Web Development
- Django, React.js, Node.js, JavaScript, HTML, CSS

Android App Development
- Java(basics), SQLite Database

Machine Learning
- Pandas, Numpy, Matplotlib, Seaborn, Scikit-learn

Project Management
- JIRA, Confluence

EDUCATIION

Thapar Institute of Engineering & Technology, Patiala
Bachelor of Engineering in Computer Engineering
- 9.50 CGPA
- 2015-2019

Class 12th
Kundan Vidya Mandir, Ludhiana
- 95.6%
- 2014-2015

ACHIEVEMENTS

- Merit Scholarship holder during undergraduation for 4 years which was awarded to 7/600 Computer Science students.
- Certificate of Merit for excellent performance in academics.

EXTRA CURRICULAR

- Organized Blood Donation camp at school managing a team of 30 students and managing participation of 300+ donors.
- Head Boy of school.
- Active participation in company organized events.

WORK EXPERIENCE

Senior Member Technical Staff
Siemens EDA (Mentor Graphics), Noida | Aug 2019 to present
- Develops tools/scripts in Python, Perl and Shell to support R&D.
- Responsible for Infrastructure Management of one of the products.
- Maintains and develops web-based Infrastructure Dashboard.
- Manages product release, build testing and regressions.
- Automates regular infrastructure related tasks.

Software Intern
Siemens EDA (Mentor Graphics), Noida | Jan 2019 to Jun 2019
- 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**. Programmed using **Perl**.
- 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 | Link , GitHub Repo
- The aim of the project was to learn web development with hands-on project.
- The website acts as a digital resume and displays information about me, projects and blogs.
- The frontend is created with **React.js, JavaScript, HTML and CSS** and backend with **Django**. The website is hosted with GitHub pages.

Mood Mapper - Android App | GitHub Repo
- 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**.

Project ToDo - Frontend React.js application | Link , GitHub Repo
- 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**. The web app is hosted with GitHub pages.