

Sandesh Kumar Singh

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<https://meetsandesh.github.io>



Objective

Passionate, Determined, Team Player, Confident, Competitive, Independent, Strategist are the words that define me. My long term goal is to become Software Architect and utilise my skills to increase quality and productivity of the company I m associated with.

Education

IIT Mandi – 7.96 CGPA - B.Tech, Major in Computer Science And Engineering - 2016

IIT Mandi – 7.00 CGPA - B.Tech, Minor in Applied Physics - 2016

Sunbeam School Lahartara, Varanasi, UP – 93.1 % - XII - 2012

Kendriya Vidyalaya, Varanasi, UP – 93.8 % - X - 2010

Experience

LEAD PRODUCT ENGINEER, NUCLEUS SOFTWARE EXPORTS LTD.; NOIDA, UP – JUNE '20 -PRESENT

Role: Development on both server side and client side. Responsible for writing well designed, testable and efficient codes using MVC architecture and for creating website layout/user interface. Responsible for creating framework from scratch that is being used in 6 modules. Responsible for team of 5, apart from responsible for project.

SENIOR SOFTWARE ENGINEER, NUCLEUS SOFTWARE EXPORTS LTD.; NOIDA, UP – OCTOBER '17 -JUNE '20

Role: Development on both server side and client side. Responsible for writing well designed, testable and efficient codes using MVC architecture and for creating website layout/user interface. Multi project responsibility.

SOFTWARE ENGINEER, NUCLEUS SOFTWARE EXPORTS LTD.; NOIDA, UP – JULY '16 - OCTOBER '17

Role: Development on both server side and client side. Debugged software issues and coordinated with multiple teams on issue resolution and documentation. Responsible for troubleshooting issues in backend and frontend systems for internal and external software offerings as well as assisting in resolving the performance issues.

Skills And Technologies

Java, Spring MVC, Spring Boot, Hibernate, MySQL, XML, HTML 5, CSS, jQuery, JavaScript, VueJS, Maven, Windows, Linux, Mac OS X, Android App Development.

Main Projects

NEUTRON FRAMEWORK; DECEMBER '19 - PRESENT

Framework that is being used in 6 different modules. This supports dynamic addition of fields on UI, triggering validations on various levels. Support Parent master syncing. Dynamic form support from parent product CAS.

SALES ASSIST; DECEMBER '19 - PRESENT

A system which minifies data entry to push loans in CAS. The system is to be used by showrooms and/or agents of banks in shopping malls. More dynamic UI created using modern technologies.

CODE SYNTHESIS ; SIDE PROJECT ; STATUS : IN PROGRESS

A side project in which we aim at the goal where there is no need of developers for mundane tasks. First level has been achieved by using templatzation. We are currently working on generalised synthesisers.

LOG ANALYSIS ; SIDE PROJECT ; STATUS : IN PROGRESS

A side project in which we aim at the goal to minimise time taken by developers to analyse a bug. This reduces the time by 15 minutes per bug per person to find the perpetrator. And this number will keep getting bigger if taken more things into account. There is a long term goal for this project which refers to "Code Weaving".

ENTERPRISE CONTENT MANAGEMENT ; SEPTEMBER '16 - MARCH '17 & NOVEMBER '17 - PRESENT

A document collection and storage system for banks. Also works as a module which can be integrated from external system. Also does OCR on documents uploaded in the system and collects data from the metadata of the document, increasing speed of document processing and thereby decreasing man power.

E-APPLY AND E-SERVE ; APRIL '17 - OCTOBER '17

A customer on-boarding system which serves a lead generation system for banks. Also works as a dashboard for already on-boarded customers, where they can managed their existing loans. Similar as previous one, this also can be integrated from external system. Creating new loan application on just a click of a button, it's just that easy. Customer has t review his/her info.

OCR : USING TESSERACT FOR DATA EXTRACTION ; SIDE PROJECT ; STATUS : COMPLETE

A side project in which tesseract engine is to be perfected in order to perform OCR on given images with minimum time and maximum accuracy. This project is to be integrated with ECM in order to enhance its features.

Personal Projects

ANDROID APP : PASSWORD ARCHIVE FOR ANDROID

Password Archive for Android can save all passwords in one place, on your local storage. No internet connection is required. Everything is stored in encrypted form. Password Archive for Android uses a strong encryption SHA-512. So no one can see/steal your data. Apart from password you can also store extra data related to it. Password Archive for Android has a backup feature too, in case you change your phone. Visit - <https://play.google.com/store/apps/details?id=io.github.meetsandesh.passwordarchive>

ANDROID APP : ANYCODE SCANNER FOR ANDROID

AnyCode Scanner For Android scans any of the barcodes or QR codes blazing fast. Best part is its ad free. No Ads, full feature access. One stop solution for scanning and generating different kind of codes. Visit - <https://play.google.com/store/apps/details?id=io.github.meetsandesh.anycodescanner>

GITHUB : CUSTOM OS DEVELOPMENT

An attempt to learn how OS is created from scratch. Used Ubuntu as development environment. Successfully created custom OS shell for single threaded processors. For more info visit - <https://github.com/meetsandesh/OS-EX>

Achievements And Recognitions

- Speaker on the topic "Image Processing And Its Applications" in NucTech Club August 2019.
- Speaker on the topic "Program Synthesis" in Annual NucTech January 2020.
- Speaker on the topic "Responsible AI" in Annual NucTech January 2021.
- Recognition for Collaboration, Innovation and Result Orientation while working on multiple different projects in Nucleus Software.
- Qualified GATE 2016.

References

On request.