

# HEMANT GUSAIN

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Exceptionally communicative, energetic & result oriented professional with 4+ years' experience and proven knowledge of Application development, database, scripting languages and real time data. Seeks an opportunity to further build a strong skills set while working on multiple projects & highly interested in a role with a company that promotes best practices and offers a wealth of customer projects.

## EXPERIENCE

01/08/2022 – PRESENT

**SENIOR SOFTWARE ENGINEER – L2, GEMINI SOLUTIONS (GURUGRAM)**

- Carry out training on development and deployment cycle for trainees.
- Migrating training data with new computations and new requirement for ML model.

30/11/2020 – 29/07/2022

**SENIOR SOFTWARE DEVELOPER, ALGOSCALE TECHNOLOGIES INC. (NOIDA)**

- Analyze all issues of external clients and provide effective resolutions for the same.
- Work with developers to design algorithms and flowcharts.
- Produce clean, efficient code based on specifications.
- Integrate software components and third-party programs.
- Verify and deploy programs and systems.
- Developing back-end components to improve responsiveness and overall performance.

17/09/2019 – 27/11/2020

**SOFTWARE ENGINEER, FOURBRICK TECHNOLOGY OPC PVT. LTD. (NOIDA)**

- Provided solutions by analyzing requirements and designing, developing and implementing software applications for multiple websites.
- Use various techs including ML to make repairs and optimize the corporate website.
- Troubleshoot the existing application to get accurate results after Alpha & Beta testing.
- Represented team at meetings with executives, discuss project & milestones.
- Researched new techniques and implemented backend for delivering a project.

06/08/2018 – 13/09/2019

**SOFTWARE DEVELOPER, INDIAN HOSPITALITY (NEW DELHI)**

- Researching, designing, implementing and managing software programs.
- Identifying areas for modification in existing programs and subsequently developing these modifications.
- Determining operational practicality.
- Create technical documentation for reference and reporting.
- Determining operational practicality.
- Writing and implementing efficient code

## IT SKILLS

- Highly efficient in **Python Programming**.
- Resourceful in the **Django Rest** framework.
- Have good hands on in **MySQL & PostgreSQL**.
- Good Knowledge of **FLASK, REDIS** and **ML**.
- Get in touch with **MongoDB & AWS Chalice**.
- Friendly with **Linux OS** environment.
- Skilled in prime **AWS Services**.
- Handled **Gunicorn** server with **Nginx**.
- Aware with **Deep Learning** concepts.
- Understanding of **Angular** and **HTML**.

## EDUCATION

AUGUST 2013 - JULY 2017

**B.TECH**, BHARAT INSTITUTE OF TECHNOLOGY, MEERUT

B.Tech in Computer Science and Engineering

DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY UTTAR PRADESH

## PROJECTS

### PARSPEC (parspec.io)

**Role and Technologies** - Designed **Django** Backend, Search Server (**Django RQ**), used **PyPDF2**

- The solution enables all stakeholders in the construction supply chain to optimize the buying and selling of materials especially lighting products.
- It does so by applying computer vision to parse data from designers' specs, triggering an AI-informed web crawler of OEM tear sheets using **Redis-Queue** to identify the best matches, providing strategic recommendations.
- Ultimately, this will reduce bid preparation time by 75%, cutting the cost of acquisition and, more importantly, increasing the amount of bids that can be processed by the same staff to generate more sales with even better service.

### ASSUREX

**Role and Technologies** - Deployed on **Flask**, Used **KNN** to get most appropriate Category for **Data**

- Helps in categorizing the Training Data into suitable bracket on Input to the application.
- Basic aim of Assurex is to make hierarchy of activities, products and components which leads to better training and assignments.

### SALESDOCS

**Role and Technologies** – Designed **Django** backend with multiple **tenants** via PostgreSQL **schemas**

- It is the first and the only SaaS based productivity software dedicated to Pre-Sales Engineers.
- Start efficiently tracking your work, building your client relationships, and highlighting your contributions to close contracts in one application.
- It offers built-in reporting features that showcase your contribution to revenue as sales engineer.
- With salesdocs you have all information you need for planning and problem solving right at your fingertips with organized & up-to-date account information.

## FANDOM LIVE

**Role and Technologies** - Map out Backend on **Python Flask** & Worked on **Rest APIs**

- Fandom.Live is the world first crowdsourcing platform that revolutionizes the traditional live entertainment industry through fan-centric innovation.
- There are fans from all over the world that want the chance to see a certain event or entertainer so at Fandom Live we provide that opportunity to all fans.

## SMART ICU

**Role and Technologies** - Designed Backend on **Flask** & Done **Face-Unlock** using **DLib** library

- For real time tracking of patients. It has record of health parameters like Spo2, BP and Sugar. It has feature of readmission, maintain intake, treatments of patients.
- Doctor's also have notes of medicines given to patients and Nurse can also assign multiple doctor for patients based on his allergies described at time of registration.

## MED AMBULANCE

**Role and Technologies** - Designed Backend in **Flask** & used **mqtt** to track the live location

- Equivalent to OLA & Uber. In this, user can book ambulance and responder. Admin can create hospital admin so that hospital can see real-tracking of ambulance & responder.
- It also includes real tracking of ambulance & responder on User-side application, driver side application and Hospital side application.

## PENDLER

**Role and Technologies** - Worked on **Django** to Improve Backend Design

- Pender is a Danish word which means Commuter. Commuting is periodically recurring travel between one's place of residence, work, or study, and exceeds the boundary.
- It helps grouping people and commuting together on fixed routes which reduces congestion on roads, CO2 emissions and saves time and efforts.

## OYO DRF

**Role and Technologies** - Applied **Numpy Arrays** operation and Designed backend in **Flask**

- Oyo Rooms (stylized as OYO), also known as Oyo Hotels & Homes. It is one of the largest and fastest-growing hospitality chains of Hotels.
- The startup expanded globally with purchase of profitable properties on definite terms.

## WIKIPEDIA SUMMARIZER

**Role and Technologies** - Applied **Natural Language Processing (NLP)** & used **Gensim** library

- Wikipedia is encyclopedia i.e. contains the vast knowledge of numerous content.
- Our motive is to view the huge amount of data in limited lines based on the search & automate the system.

## IMAGE CLASSIFICATION

**Role and Technologies** - Used Deep Learning & train **Convolutional Neural Network (CNN)** Model

- Online world is in a rush. Today almost everything is bought or sold over the Internet. As the market is going online and orders are getting vast.
- It's hard to keep track of the variety & quality of products especially spices. So, we are making the system automatic to classify the variety & quality of organic products.

### DIGIT RECOGNITION

**Role and Technologies** - Used **Support Vector Machines (SVM)** to train the model

- With the increase in consumption of goods & facilities, but lack of heavy & modern machineries in many remote areas to keep track of them, there is a need of Centralized place to keep record under a Network of agencies.
- In this Vendors will upload there hand written bills and receipt to a centralized application and those will get converted into digital or computer understandable form.

### FACE AND EYE DETECTION

**Role and Technologies** - Used **Haar Cascade** xml files and **OpenCV** Library to detect

- Working on Machines & Systems in large scale needs the surety of working to meet the requirements of the production. Our Aim is to tackle this problem.
- We can keep the record time with tracking the worker's face & eyes on the machine.

### SPEECH TO TEXT

**Role with Technologies** - Used **speech recognition** and **pyttsx 3** module to convert

- Speech recognition is an important feature in several applications used such as home automation, artificial intelligence, etc.
- This project aims to provide a connection between the user on the application and the Pre-processed Database to quickly get the information about the requirements of User.

## ACHIEVEMENTS

- Received several client appreciations for suggesting new approach for defect fix and identifying and rectifying loopholes in existing design.
- Received client and Higher Managements appreciation for On-time defect free project completion.
- Regularly organized and given knowledge transfer sessions on business and technical things to fresher.

## TRAINING & CERTIFICATION

- **PYTHON FOR DATA SCIENCE** from **IBM** on **27.06.2020**.
- **PYTHON (BASICS)** from **HACKERRANK** on **18.06.2020**.
- **APPLIED MACHINE LEARNING** from **APPLIED AI COURSE** in **2020**.