Devendra Kumar Singh

Software Engineer

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About Me

A **Software Engineer** with hands-on experience in building, deploying and productionizing **scalable Web App, Android & IOs App**. Strong practical knowledge of **Database Schema Design**, **Data Pipelines**, **Managing servers, Data Analytics, Data Visualization, Predictive Modelling and Time Series Analysis.** Want to work with an organization with immense scope to learn and upgrade my skills to contribute to the development of an organization.

Website & Links

- **Website:** https://devendraprofile.netlify.app
- **LinkedIn**: https://www.linkedin.com/in/devendra-kumar-singh-06march95
- **Github**: https://github.com/devendra631997
- **StackOverflow:** https://stackoverflow.com/users/13420779/devendra-kumar-singh
- **JSFiddle:** https://jsfiddle.net/user/Devu_The_Explorer/fiddles

Skills

- **Language**: Python, Javascript, C, C++, Java, ShellScript
- **Databases:** MySQL, MongoDB, PostgreSQL, DynamoDB, Oracle, Cassandra
- **Frameworks:**Flask, Nodejs, MERN, React-Native,
- **NLP Frameworks:** DialogFlow, Microsoft Bot-framework, Rasa
- **Libraries:** Numpy, Pandas, Matplotlib, BeautifulSoup, Selenium, Regex, Folium, D3js, PyTorch, Tensorflow, Pyspark, Mediapipe
- **Tools:** HDFS, DBeaver, Wireshark, Kafka, AMQP, GIT, Websocket
- **Edge Computing:** AWS(EC2, s3, lex and lambda), Kubernetes, Docker

Experience

Clearmind Consultancy

Full Stack Engineer **June 2020 to present**

- Developed, designed and productionize Android & IOS App and WebApp.
- Designing algorithm for StockMarket Price Analysis based on ticker values using Pine Script.
- Writing automation scripts for reducing manual and redundant tasks.
- Designed database for the cycle app and created graphql api based access
- Pod deployment of webApp and database pipeline on aws
- Created reverse proxy using nginx for cycle server and cycle webapp
- Created an api for scrapping of nse bse data, feed it to the analysis of ticker
- Created sdk for aadhar offline ekyc
- Data Encryption and decryption of the transaction ledger
- Auto invoice and billing generation

Solabot Technologies

Associate Engineer **June 2018 to August 2019**

- Created layout design for solar panel cleaning bot using SolidWorks, AutoCad.
- Generated the crash analytics report.
- Used Python, Embedded C for Arduino Programming.
- Writing automation scripts for reducing manual and redundant tasks.

Education

Centre for Development of Advanced Computing, Pune **2019 - 2020**

Post Graduation Diploma in Internet of Things A Grade

Project Accomplished:

- **Accident Detection And location tracking**
  - A device which consists of various electronic components such as sim-com, accelerometer, GPS module, vibration and thermometer generates data sent to a server over GPRS connection on MQTT which is saved in AWS cloud.
  - An SMS is sent to the nearest hospital and police station alerting about the accident.
  - This project is integrated with the UI where all the data is observed.

Kurukshetra University **2014 - 2018**
Bachelor of Technology, Mechatronics 62%
Project Accomplished:

- **Quiz App**
  - This app was designed for basic questionnaires.
  - Built using:

Personal Projects

- **Corona Tracker**
  - A web app for live information updates for COVID-19 patient counts.
  - Built using: React, material-ui/Core chart.js, axios, react-chartjs-2, react-countup

- **Books & Blogs**
  - A blog and e-library for all book lovers. One can download their favorite books and also write blogs about the same.One can also refer to the books available here in your blog for easy access for readers of the blog.
  - Built using: React, redux, Node.JS, Mongoose, MVC architecture.

- **Automated Car Parking**
  - A platform which will uplift the car and place the car on to their respective place and that will be controlled by the Arduino and the movement will be done by the dc motor calibration and the RFID card will detect the car owner respective to that car and fare for that.

- **Emotion recognition**
  - Built and designed for recognizing facial expressions
  - Developed using face-api, face_expression_model-shard1, face_recognition_model-weights_manifest.json, tiny_face_detector_model-shard1, face_landmark_68_tiny_model-shard1.

- **Object Detection App**
  - Used cocssd from tensorflow.js
  - Created the webApp using react

- **Chat Bot**
  - Basic chat-Bot with different intents of JSON file that defines certain intentions that could occur during the interactions with the chatbot.
  - The chatBot covered topic modeling
  - Library packages: NLTK, numpy, tensorflow, keras