Gaurav Singh

✉ : gaurav82692@gmail.com
⌂ : http://github.com/gaurav82692
in : linkedin
☎ : +918960880615

EDUCATION

YEAR	COURSE	INSTITUTION	RESULT
2018- 2022	B.Tech in {CSE}	Madan Mohan Malaviya University of Technology, Gorakhpur	7.40 CGPA
2017	Intermediate, {CBSE}	Amar Memorial St. George's Preparatory School, Sarnath Varanasi	75.60%
2014	High School, {CBSE}	Amar Memorial St. George's Preparatory School, Sarnath Varanasi	76.00%

SKILLS

IT construct	-	Programming, Web Development, Data Structure & Algorithms, Machine Learning, Deep Learning, Computer Vision, Data Analytics, Natural Language processing.
Programming Languages	-	C, C++, Java, Python, HTML, CSS, JavaScript, Reactjs, NodeJs, MongoDB
Development tools	-	AWS- Lambda, DynmoDB, API Gateway, Tensorflow, Keras, Pytorch, Darknet, OpenCV, Linux-Ubuntu and Raspbian, Microsoft Office, Docker, Git, MySql, Postgresql
Others	-	Critical thinking, Creativity and Leadership

WORK EXPERIENCE

Full Stack Developer at HummingWave Technologies
July 2022- Present

• **Worked on**	Contributed in development of Web application of a fintech company Finnable, where a customer can take instant loan (without any paper work) we have automated all the stages that comes in between from applying loan, uploading documents, customer background verification, Bank statement analysis, Bureau score calculation logics, customers credit analysis report, Dashboard, etc.
• **Tech Used**	Backend - Java , Aws- lambda function, DyanmoDB, API Gateway Frontend - ReactJS, AngularJs,
• **Learning**	Code rewrite from AngularJs to reactJs, Java Backend, optimization, Micro services
• **Development Tools**	IntelliJ, VsCode, Backend - Java , Aws- lambda function, DyanmoDB, API Gateway Frontend - ReactJS, AngularJs,

Machine Learning Engineer at Codebugged AI

• **Worked on**	Developed various Computer vision projects such as Object detection, Pose estimation, Image classification, Developed NLP based customer relationship management chatbot with web integration. Developed Industrial OCR to convert unstructured data into structured data (xlsx,csv).
• **Tech Used**	Python, Pandas, NLP, NLU Tensorflow, Keras and Pytorch, TensorRT, ONNX
• **Learning**	Building, Training and Optimization (Quantization and pruning) of Neural Networks such as ANN, CNN, RNN and LSTM Fine Tuning the Pre-built model and transfer learning.
• **Development Tools**	Python-3.6, linux-Ubuntu-18.04, Jetson nano, Git, Docker, Tesserect OCR

Data Science Intern at Prithvi.ai
April 2020 – Sept 2020

• **Worked on**	Fintech Exploratory Data analysis, Machine Learning Modeling, Hyper parameter Tuning and flask deployment. Developed Vision AI Based Covid-19 Diagnosis and Prevention compliance (Predict-medix)
• **Tech Used**	Python, Pandas, scikit-learn, sklearn, Seaborn Matplotlib Tensorflow, Keras and YoloV3.
• **Learning**	Exploratory data analysis, Feature Engineering, Model selection, Neural Network training and optimization. Fine Tuning the Pre-built model and transfer learning.
• **Development Tools**	Python-3.6, Flask, linux-Ubuntu-18.04, Git, Docker

PROJECTS

Project 1	**AI Based Exam Proctoring System :** Browser Application to Proctor Online Exams with Candidate Authentication, Multiple People Detection, lip movement detection, Candidate looking outside the screen, Mobile and Book detection. If any candidate caught with such activities our web application sends alerts to the Proctorial Board. With the captured evidence screenshots.
Tech Stack Used -	JavaScript, Tensorflow.js, Python, deep learning, Mediapipe, Single short Detection –Object detection, Docker, Git
Project 2	**Mineral identification on loaded vehicles and number plate details extraction for Highways:** Real-Time feed received through RTSP protocol and inference result gets the mineral identifies and extract the number plate details and display on a dashboard. Which keeps the record of Vechile type, number plate details, incoming time, loaded minerals etc.
Tech Stack Used -	Python, OpenCV, Flask, YoloV4-tiny, Object detection, OCR, Deep learning, SQL, Javascript, Docker, Git , linux-Ubuntu-18.04

ACHIEVEMENTS

- ♣ **Ranked 1** in Tech-Manch Hackathon conducted by Robotics-club MMMUT.
- ♣ **Runner Up** in a National level hackathon HackinUTU organized by SSIP cell UKA Tarsadia University .
- ♣ **Runner Up** in a National level hackathon Hack in India organized by Script foundation.
- ♣ Winner of Dare2develop Hackathon conducted by Prithvi AI lab in IIT BHU – **Got offer for Internship**.
- ♣ Got position in Top 20 finalist in ZS-PRIZE Hackathon organized by ZS-Association

POSITIONS OF RESPONSIBILITY

- ♣ **Project lead** of Condition based monitoring and predictive maintenance Funded by ESCORTS-IC2.
- ♣ **Executive Member** of the IEEE Student Branch, MMMUT Chapter.

RESEARCH AND PUBLICATION

♣ Ikshana - An AI-Powered Citizen Data Science Software to Enable Real-Time Vision Surveillance in Enterprises – ISBN – 9789355937193

Certifications

♣ Certificate for Completion of Linux Training – IIT Bombay
♣ Getting Started with Deep stream for video Analytics on Jetson Nano- Nvidia
♣ E & ICT Workshop Certification on Machine Learning- IIT Kanpur
♣ The Complete SQL course – Udemy
♣ Professional Full Stack Web Developer - Udacity

EXTRA-CURRICULAR

♣ **Runner up** of BIJ-GYAN Competition organized by Techshrijan-18
♣ **NCC C-Certificate holder**, Successfully completed 3 year of NCC training.

HOBBIES

♣ Playing Football, Reading Technology related Articles, Singing