

RAVINDRAKUMAR M. PUROHIT

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EDUCATION

Master of Technology (M.Tech CSE - Data Science) Institute Of Technology (Aff. Nirma University), Ahmedabad, Gujarat, 6.93CGPA	2021 - 2023
Bachelor of Engineering(B.E - CE) Atmiya Institute of Technology Science (Aff. GTU), Rajkot, 6.83CGPA,	2016 - 2020
GHSEB, Class XII G.K Dholakiya Schools, Rajkot, Gujarat, 65%	2014 - 2016
GSEB, Class X Divine High Schools, Rajkot, Gujarat, 80.33%	2013 - 2014

SKILLS

Platforms	MS Office, MS Visio, VS Studio, Anaconda, Overleaf Docu, Google Colab, SQL Server Studio, Anaconda, AWS Console
Languages and Concepts	C, C++, Java, SQL, OOPS, Python, R, Spark Scala, Hadoop
Data Visualization Tools	Excel, Tableau, PowerBI-Origin Pro
Software	Proficient in Microsoft Office Suite (Advance Excel, Access, Project, Visio) MySQL, Google Colab, Jupyter Notebook, PowerBI, Tableau with the ability to learn new tools quickly.
AWS Console	AWS IAM, S3, Simple Queue Service(SQS), Elastic Compute Cloud (EC2-Auto Scaling), Development Service AWS CodeCommit, AWS CodeBuild,(CI) CodeDeploy, AWS CodePipeline(CD), Route53, Elastic Beanstalk
Libraries	Numpy, Pandas, Seaborn, Matplotlib, Plotly, Scikit-learn and Tensorflow
Other Related Skills	Statistics-Predictive Analysis Data cleaning, Exploratory Data Analysis, Story-telling, Agile development-ETL, DevOps, Cross-functional collab., Critical thinking, Problem-solving, Business communication and Decision making. Good Understanding of Machine Learning along with projects, Creative thinking, Credit and Risk Management.
Documentation	Overleaf Latex

EXPERIENCE

1. AI-ML Intern (Vmukti Solutions Pvt Ltd-Ahmedabad)
Doing Research and development on Object/Human Detection using some famous ML Algorithm like YoloV5, SSD, RCNN.
2. Teaching Assistant (Under Dr. Ajay Patel)
Research and Technical Reviews on Various AWS Cloud Services.

PROJECTS

1. CareFinder: The B2C Medicine delivery service website reduces the bottleneck of the traditional medicine delivery system, we can save time as well as compare rates among several local stores in this project using such a tool as visual studio 2019 and SQL server, and for documentation, we used the Microsoft Visio and other tools.
2. Language Identifier Using NLP: In this project, We made an NLP algorithm to identify the specific language of input text.

3. **NFT Marketplace:** A systematic review on the use of blockchain in NFT marketplaces and making a smart contract for the NFT marketplace using solidity on Remix IDE
4. **Data Pre-Processing (Exploratory Data Analysis):** EDA on Some Random Population and Verity of Datasets Interpretation experiments on Famous Machine Learning Dataset(MNIST Digit, MNIST Fashion, Titanic
5. **Data PipeLine:** Created Automated Data Pipeline using AWS Services and PHP(Sample Webpage) using GIT and Elastic BeanStalk
6. **Face Detector:** A robust model was developed to detect human faces and generate a bounding box around the detected individuals.
7. **Face-Mask Detector using YoloV5:** Build a face mask detection model that could identify instances of improper mask usage or the absence of a mask on a human face. The model was designed to analyze images of human faces and determine whether a mask was being worn correctly, incorrectly, or not at all. Detect faces and determine whether people are wearing mask.
8. **Real-time Custom Object Detection System Using Transfer Learning:** Re-architected and converted in to the real-time object detection from Pre-existance project.

RESEARCH PAPERS

1. **WePaMaDM - Outlier:** This paper proposed that weighted outlier detection using pattern approaches formats data mining is the method to detect the implicit outlier using weight-based approaches, During performing computation mass data mining, we need to complete the high dimensional calculation to detect the outliers, but pattern methods solve problems of the Traditional Techniques. (Under Publication Phase)
2. **ResBlocks: A Blockchain-enabled resource allocation scheme for edge-cloud ecosystems:** Res-Blocks uses blockchain to optimize resource allocation in edge-cloud ecosystems, creating a decentralized network for fair and secure distribution of computing resources. Under Publication Phase)
3. **Real-time Custom Object Detection System Using Transfer Learning:** Proposed the system which uses transfer learning for real-time custom object detection. It can quickly and accurately recognize new objects with limited training data, making it highly efficient. (Final Drafting Phase)
4. **Federated Learning and Blockchain-based Privacy-Preserved Pioneering Framework for IoT Healthcare Data using IPFS in Web 3.0 Era:** Proposed pioneering framework employs federated learning and blockchain to maintain privacy in healthcare data within the Internet of Things (IoT) ecosystem. The system utilizes IPFS in the Web 3.0 era to securely store data, ensuring it is safe from any potential threats or breaches. (Final Drafting Phase)

VOLUNTEERING

- Working as Volunteer at National Service Scheme - NSS since April-2018.
- Local Guide, Freelance @ Google Map, Local Guide Leval - 8, Volunteering in Kathiawad Area (GJ)
- Contributed 6 Lac+ Photo Views and 1 Million+ Views for Reviewed Place.

ACHIVEMENTS

1. Participated as Chess Player and represented School in 'Khel Mahakumbh 2011' Junagadh.
2. Ranked at 204 in Gujarat State in GK IQ Competition - 2012.

3. Achived 2nd Rank in "ESSAY COMPETITION", Organised by Hindustan Petroleum Corporation Ltd.
4. Elementary Drawing Grade Exam with 'A' Grade.
5. Winner as Chess Player at AITS, Sports Day - 2017 in College.
6. Be a Participant in Debugging Quiz During 2018 at AITS, RAJKOT.
7. Attended workshop on IOT+Arduino at Rajkot February - 2019.

PERSONAL INFORMATION

Date of Birth	30 April 1999
Blood Group	A-Positive
Marital status	Unmarried
Languages known	Gujarati, English and Hindi
Special interests	Reading, Travelling

DECLARATION

I hereby declare that the information given above is true to the best of my knowledge. I will make it my earnest endeavour to discharge competently and carefully the duties you may be pleased to entrust me.

Place : Gandhinagar
Date :

Ravindrakumar Purohit