Pankaj Santosh Andhale
Mobile No: 8484954797
Email-Id : andhale899@gmail.com

CAREER OBJECTIVE

Post-Graduate from CDAC seeking an opportunity in a progressive organization. Where I can showcase my skills, as well as upgrade them.

EDUCATIONAL DETAILS

Level	Stream	Institute	Passing Year	Degree %
PG-Diploma	BIG-DATA ANALYTICS	IACSD, Pune.	2022	65.93
M.Sc	Physics	Fergusson College, Pune.	2020	68.40
B.Sc	Physics	NACA College, Ahmednagar.	2017	69.08

IT SKILLS

- Big-Data : Hadoop, Spark.
- Programming Languages : Python, R, Java, C.
- Databases : SQL, MongoDB, Cassandra.
- Cloud : AWS, GCP, Oracle.
- Tools : Power BI, Virtual-Box.

ACADEMIC PROJECTS

- **Project Name** : Facial Expression Recognition **C-DAC**
  Description : In our project, we have concentrated on the recognition of facial expressions in images and categorized them into seven discrete emotion categories that represent universal human emotions. For this, we have implemented cutting-edge technologies like CNN and transfer-learning methods to train various models and study them.
  Technologies : Python, CNN, ML, Cloud.
  App Link : https://tinyurl.com/5n8as682

- **Project Name** : Implementation Of PySpark on USA Healthcare Dataset
  Description : (Work in progress) From US Healthcare Dataset Generate Automated Report for further needs of Business. Single Node Cluster on Oracle Cloud and Spark Integration for Production Env.
  Technologies : Spark, Python, PyCharm, HDFS, YARN, Oracle Cloud, AWS.

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- **Project Name** : Synthesis of Silver Nano-Particles **M.Sc**
  Description : Using different leaves of backyard plants .Extracted silver nano particles using mixture of 5-6 plant leaves ,Characterizations were determined by using ultraviolet-visible (UV-Vis) spectrometer,), energy disp. X-ray and X-ray diffraction. scanning electron microscopy (SEM).Made films of samples of nano particle .conclusion was leaves of C. roseus had good amount of silver nanoparticle which shows medicinal properties anti-plasmodial properties.

- **Project Name** : Thermometer Using Transistor as a Sensor. **B.Sc**
  Description : In our lab we usually used Analog thermometer. to take measurements and digital one was not available for us. So we made one using transistor temperature sensor. Reading Voltage Measurements across Base-Emitter junction.
  we had four things in mind while designing the Thermometer
  Cost Efficiency, Reliability, Accuracy, Repeatability.
  Specification of device :
  Battery operated, easy to implement, Fast response, Digital output etc.
  we were able to make 5 Prototypes in around 500 rupees.

ACHIVEMENTS

- First Prize in college level Poster Presentation Competition
  Topic : Time Travel in layman's terms.
- MH-SET 2021 Qualified.
- C-TET 2021 Qualified.

HOBBIES

- Installing and trying out various Custom-Rom on Androids.
  (Successfully compiled AOSP based Rom for my own device.)
- DIY Repairing Electronics and Automobiles.
- Bike and Car Maintenance.
- Gadgets Collection.
- Child Pedagogy and Counselling.

PERSONAL DETAILS

- Address : Plot No 27, Sudarshan col., Shivnagar, Ahmednagar. 414003.
- LinkedIn : https://www.linkedin.com/in/pankaj-andhale-physicist/

I hereby declare that the information given above is true to the best of my knowledge and belief.

Date : 24/11/2022 Andhale Pankaj Santosh