

Prakash Nidhi Verma

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EDUCATION

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY

B.Tech, Computer Science
2016-20 | Jabalpur, India

JDS VIDHYA MANDIR ALLAHABAD, UP

Class 12: with 93.6 Percentage
Class 10: with 88.5 Percentage

SKILLS

PROGRAMMING

- Python • Java (Basic) • R-lang
- Data Structure and Algorithms
- Machine Learning
- Deep Learning/Computer Vision
- Natural Language Processing

LIBRARIES PROFICIENT

- Pandas • Numpy • Matplotlib
- Scikit-learn • Tableau • Seaborn
- NLTK • BERT • Spacy • WebScraping
- TensorFlow • Keras • PyTorch • OpenCV

DESIGN/DEVELOPMENT

FrontEnd : • HTML,CSS,JS • Bootstrap

BackEnd : • Django • Flask

Databases : • SQL • MongoDB

TOOLS

- Cloud (AWS, Azure, Heroku, Docker)
- Linux • Airflow • GitHub • Restful API

PROFILE LINKS

Portfolio:// [about.me](#)

GitHub:// [pnidhi26](#)

LinkedIn:// [pnidhi26](#)

Kaggle:// [pnidhi26](#)

Certifications:// [click here](#)

MOOC UNDERTAKEN

- Probability and Statistics
- ML: Stanford University, Coursera
- Cognitive AI Classes: IBM
- Computer Vision: Pyimagesearch

INTERESTS

- Contribution in Open Sources
- Data Astronomy • Hackathons
- Film Making • Scribbling • Blogging

EXPERIENCE

FIN MOMENTA PVT. LTD.

Data Science-(ML/AI) | May 2019 - Nov 2019 | Chennai, TN

- Developed API's for 360 verification for digital KYC using Machine/Deep Learning.
- Explored the domain Computer Vision and got my hands dirty with some real world use cases through end-to-end product life cycle using open source technologies.

MINDSTICK SOFTWARE SOLUTION

Developer Internship | May 2018 - July 2018 | Allahabad, UP

- Webpage development for a QnA web portal and fixed bugs in pre-existing code.
- Published 250+ technical Blogs/Articles which provides 24*7 support to team/users.

PROJECTS

DIGITAL (FACE| DOCS) VERIFIRE

Tools : • Python • OpenCV • Flask • Deep Learning • SQL • AWS Boto3

Project Link : [face-recognition-and-liveness-verification](#)

- Developed an API for detecting faces in two different Id cards(PAN/Aadhar) and find out the similarity confidence between two faces to verify both Id cards belong to the same person or not (Fraud) along with detecting facial expression and Liveness check in a stream video for digital KYC verification using open source and AWS Rekognition.

HEALTHOPIA

Tools : • Python • ML pipeline • Sklearn • pandas • matplotlib • Numpy • LR • Flask

Project Link : [Breast cancer testing software](#)

- The aim of using machine learning is to obtain the significant clinical factors contributing more towards higher probability of breast cancer that's mammograms used to diagnose breast cancer for correct classification.

HOUSIFY

Tools : • Python • XGBoost • RandomForest • Numpy • Pandas • Matplotlib, Scikit

Project Link : [house-price-prediction](#)

- Describe buyers' dream house and playground competition's data set with 79 explanatory variables describing every aspect of residential homes to predict the final price of each home based on the home features.

ANOMALY ENDOSCOPY

Tools : • Python • TensorFlow • Keras • U-NET • RCNN • DL pipeline

Project Link : [anomaly-detection-in-WCE](#)

- Identify the dead cell area in medicalis image datasets captured by WCE (Wireless Capsule Endoscope) using classification between images with effected/non-effected disease area along with their geometrical locations.

VULNERABLE CART

Tools : • Python3 • Flask • IBM Watson API • NLTK • NLP • OCR • Matplotlib

Project Link : [abusive-words-detector](#)

- Develop a Web app classifier to scan paragraphs and detect abusive words. Highlight and counts those bad words and displayed sentence quality score chart on screen.

ACHIEVEMENTS

- **Coordinator** of Nation level Workshop in **ML and AI** and mentoring 200+ students.
- **Runner-Up** in Artificial Intelligence Innovation Challenge 2019, Chennai.
- Core Team Member in fest and Web Convener to manage college website portal.
- Secured **1st Place** in **Short Film Making** • **3rd Position** in Robothon.