

# 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

HSC (Class 12th): 93.6 Percentage  
SSC (Class 10th): 88.5 Percentage

## SKILLS

- Python • C-lang • JavaScript
- Data Structure and Algorithms
- Machine Learning
- Deep Learning
- Computer Vision
- Natural Language Processing

### LIBRARIES PROFICIENT

- Pandas • Numpy • Matplotlib
- Scikit-learn • MLFlow
- NLTK • Spacy • OpenCV
- TensorFlow • Keras

### DESIGN/DEVELOPMENT

FrontEnd : • HTML, CSS, Angular JS  
BackEnd : • Node.js • Express • Flask  
Databases : • MongoDB

### TOOLS

- AWS • CleverTap • MixPanel
- Google Colab • GitHub • JIRA

## 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 • Dev Community

## EXPERIENCE

### HARAPPA LEARNING PVT. LTD.

Associate Software Engineer | Dec 2020 - Present | New Delhi

- Full-stack (MEAN) development and working on Analytic tools API integration in our various products which helps the organization in terms of better analytic.
- Worked in B2B, B2C products, IPJ (Integrated Program Journey Project) and Admin Panel along with fixing day-to-day bugs and code development cycle issues.

### FIN MOMENTA PVT. LTD.

ML/AI Intern | 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.

## PROJECTS

### IPJ ( INTEGRATED PROGRAM JOURNEY )

Tools : • Node.js • Angular • Express • MongoDB • JavaScript • JIRA • CleverTap  
Project Link : [harappa-education](#)

- Working as full-stack in MEAN development and key member to POC of third party tools (CleverTap, MixPanel, Beamer) API integration in our various products which help the organization in terms of better analytic.
- Worked in B2B, B2C products and majorly works in IPJ modules along with Admin Panel and product lifecycle engagement tags along with API creation and deployment. IPJ helps in boosting the revenue of company by 5-10 percent monthly B2B customers.

### FACE AND EXPRESSION DETECTION

Tools : • Python • OpenCV • Flask • ML • 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.
- This eKYC Engine with key insight detection of customer behaviour increased our sales by 15-20 percent while reduced company churns by 70-80 percent effectively.

### REVIEW CRITIQUE

Tools : • Python3 • ML pipeline • SVM • NLP • Logistic Reg • NLTK • Spacy  
Project Link : [reviews-sentiment-analysis](#)

- Sentiment Analysis for customer feedback and reviews reaction given to IMDb cinema. Customer Delight Index calculation, visualization on state-level across India with positive and negative classifications.

### ANOMALY ENDOSCOPY

Tools : • Python • TensorFlow • Keras • CNN • Neural Network • Auto encoders  
Project Link : [anomaly-detection-in-WCE](#)

- Identify the dead cell area in medicalis image datasets captured by WCE using classification between images with effected/non-effected disease geometrical locations.
- It's add-on reduced potential loss by 15 percent with early detection of disease.

## ACHIEVEMENTS

- **Coordinator** of Nation level Workshop in **ML and AI** and mentoring 200+ students.
- **Runner-Up** in Artificial Intelligence Innovation Challenge 2019, Chennai.