

NIKHIL SHAW

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[Linkedin](#) [Github](#) [StackOverflow](#)

SUMMARY

Data Scientist with 6 years of experience in building ML solutions in Recommendations, GenAI and Computer Vision

SKILLS

python, pytorch, metaflow, opencv, pyspark, pandas, docker, AWS, A/B testing, amplitude, grafana, GenAI tools

EXPERIENCE

Data Scientist, Pratilipi

Jan 2023 - Present, Bengaluru

- **Ranking model:** increase of **33%** in subscription purchases & **25%** in read completion of stories
- **Reliable ML:** working on diversity, bias and fairness of recommendation systems
- **AI Story Generator:** **35x** faster, **10x** cheaper - saves 6 hr & up to \$120 per story vs manual writing
- **AI Text Story-to-Engaging Video:** tool increases productivity **8x** and is **13x** cheaper than creating videos manually - used for marketing & trailers
- **Customer churn:** **20%** improvement in early churn detection post-first purchase
- **Hiring & Mentoring:** **2** junior data scientists
- **End-to-end:** Own recommendation system from data pipeline, re-training, evaluation, inference, deployment, scaling, monitoring and alarms

Data Scientist, Tata Consultancy Services

July 2019 - Dec 2022, Bengaluru

- **ML vision on Maersk shipping containers:** identify missing parts, detect door lock status, type of floorboard cleaning required, identify floorboard damage, duplicate image detection with **90%+** accuracy
- **Novel OCR number plates:** character level accuracy **97%**, **patent filed**
- **Model deployment:** Edge devices and API serving 15k req/hour
- **End-to-end:** Built CI/CD pipeline from annotating/classifying data, re-training, evaluation, deploying, scaling, monitoring models for multiple ML vision use cases

PATENT AND PUBLICATIONS

- An Efficient Ensemble-Based **Deep Learning Model** for the diagnosis of **Cervical Cancer**, IEEE Symposium on Computer Applications & Industrial Electronics (**ISCAIE 2022**) [Link](#)
- Method and system to **detect a text from multimedia content** captured at a scene, patent number: US20230290165A1, year: 2023 [Link](#)

EDUCATION

B.Tech in Information Technology, SRM Institute of Science and Technology

2015 - 2019

CGPA: 8.1/10