NIKHIL SHAW

+91-7980042521 ◇ shaw.nikhil05@gmail.com ◇ Bengaluru, India

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 - saves 6 hours and 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