Yash More

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SKILLS

Python, AWS, Microservices, Tensorflow, Pytorch, AI, Pandas, Sci-kit learn, Pulumi, Transformers, JavaScript/Node, REST/GraphQL, Docker, UI/UX, CI/CD, TDD, Agile/Scrum, Mentorship, Research, Technical Writing, SQL, Django,

EXPERIENCE

Dresslife, Germany - *MLOps Developer*

MAY 2022 - PRESENT

- Created and maintained ETL pipelines for multi-modal recommendation systems.
- Designed a microservice-based Data Ingestion system using AWS Kinesis Streams, Firehose, S3, and Lambda.
- Reduced cloud computing expenses by 30% and automated the deployment and monitoring of ML models using AWS Sagemaker.

Locallink, USA - *Full Stack Developer*

NOV 2020 - NOV 2022

- Developed a (full-stack) social-media web application using ReactJS, Django, and AWS, handling each pillar (frontend, backend) of development.
- Tested both internal and production-ready stacks using CI/CD pipelines.
- Created, maintained, and tested databases using SQL, and Django and ensured optimal latency for production workloads.

Bill and Melinda Gates Foundation - *Research Software Developer*

MAY 2021 - DEC 2021

- Generated synthetic population data for 2M residents, using generative algorithms and models such as CTGAN, IPU, and Autoencoders.
- Developed rich visualizations using D3.js, ReactJS, and LeaftletJS to identify demographic patterns in 1M+ citizens.

Ashoka University - *Research Assistant*

NOV 2020 - NOV 2022

- Devised an object-localization system capable of replacing traditional signal processing pipelines.
- Developed a federated learning framework using trusted execution environments such as Intel SGX, that reduces communication bounds by 2x.
- Published 5 research articles in conferences such as AAAI, IEEE Radar, and ASPAI.

Trivedi Centre for Political Data - *Research Software Developer*

MAY 2019 - DEC 2020

- Built an end-to-end pipeline to scrape, pre-process and analyze > 6 years of digital newspaper content.
- Developed topic-modeling techniques to analyze biases in digital media.
- Re-designed the organization portal making it 30% faster and 20% better at SEO performance

Anheuser In-Bev - *Data Scientist Intern*

MAY 2021 - JULY 2021

- Translated business directions to use cases in the domain of machine learning.
- Implemented an ablation framework to compare and evaluate algorithms of data imputation, resulting in a 30% improvement in model performance for revenue pricing and prediction.
- Presented the work to senior and staff data scientists for alignment.

LEADERSHIP

Technical Co-founder

- Co-founded Project Screwdriver, a universal tool to interface computers. Inspired by InstructGPT.

Core Team member

- Organized Ashoka University's first hackathon RedBrickHacks 22' consisting of 300+ participants from all across India.

Co-organizer

- Organized Stanford's Women in data science conference 21' at Ashoka University with a team of 6 undergraduates.

Volunteer:

- Managed tutorials, workshops, and post-conference talks at The International Conference on Learning Representations(**ICLR**) 2022.

Teaching Assistant:

- Assisted 3 courses: Introduction to Machine Learning, Computer Privacy and Security, and Blockchain and Networks, with Subhashish Banerjee, IITD, Debayan Gupta, MIT, and Mahavir Jhawar Ashoka University respectively.

PUBLICATIONS

1. Poster: Flatee: Federated Learning Across Trusted Execution Environments**. IEEE European Symposium on Security and Privacy, 2021.**
2. WALDO Finds You using Machine Learning. **IEEE Radar Conference** (RadarConf21).
3. A Radio-based Object Detection Using Deep Learning. **ASPAI***, 2020.*
4. Real-Time Object Detection with Noisy Sensors using Deep Learning. **Sensors & Transducers Journal**
5. Scotch: an efficient secure computation framework for secure aggregation. **AAAI, Privacy-Preserving Artificial Intelligence**.

AWARDS

Dean's List, Received for academic excellence. Awarded to students with a semester GPA >= 3.65/4.0
Research Excellence Award: Awarded to 1-2 undergraduates with exemplary research output
Latin Honors: Awarded to undergraduates with overall high academic performance >3.76 GPA