Akanksha

Data Analyst | Machine Learning Enthusiast | Data Scientist
ak.t.kree@gmail.com| 9779779457 | Chandigarh, India

LINKS

Portfolio :
akanksha-th.portfolio
LinkedIn : akanksha.linkedin
Github : akanksha.github

SKILLS

PROGRAMMING

Python • SQL

LIBRARIES & TOOLS

Pandas • NumPy • Scikit-Learn
SciPy • Seaborn • Matplotlib
PyTorch • TensorFlow • Keras
Colab • Jupyter • Power BI • Docker •
Kubernetes GCP • Azure • AWS

EDUCATION

PEC UNIVERSITY OF TECHNOLOGY, CHANDIGARH

B.TECH IN AEROSPACE ENGINEERING
Dec 2021 - Present| CGPA - 8.11/10

D.A.V. PUBLIC SCHOOL MOHAL, KULLU

SENIOR SECONDARY EDUCATION (12TH)
2020 - 2021 | Percentage - 95.6%

COURSEWORK and CERTIFICATION

Linear Algebra and Differential Calculus
Artificial Intelligence and Machine Learning
SQL for Data Analysis
– Introduction to Big Data
– Deep Learning for Computer Vision Algorithms
– Data Structures Foundations of Intelligent Systems

EXPERIENCE

CSIR-CSIO CHANDIGARH | RESEARCH TRAINEE
Jan 2024 - July 2024 | Deep Learning (Code | Blog)

- Developed 20+ discriminative and generative models in PyTorch to solve the
  rating prediction and item ranking tasks in recommendation systems.
- Led a team of 5 to write a survey on meta-learning from both the statistical and the neuro-cognitive perspectives (including active learning, multi-task learning, reinforcement learning, and continual learning).

PROJECTS

SUPERB AI | DEVELOPER RELATIONS AND PARTNERSHIPS LEAD
March 2021 - January 2023 | San Mateo, CA (Company Website)

- Produced technical content to facilitate the understanding of Superb AI platform's capabilities by computer vision engineers and researchers.
- Led partnerships with AI Infrastructure Alliance partners on joint content and product integration (WhyLabs, Pachyderm, CometML, Arize AI, and NVIDIA).
- Evangelized the concept of DataOps for Computer Vision - which seeded the development of Superb AI's DataOps platform .
- Wrote technical whitepapers about data labeling, data management, and computer vision to support product and go-to-market teams with assets.

FULL STACK DEEP LEARNING | MACHINE LEARNING EVANGELIST
May 2020 - November 2022 | Berkeley, CA (Course Website)

- Wrote in-depth notes for the most recent course in September 2022 that that thousands of practitioners have read.
- Served as the Head Teaching Assistant for the course in March 2021.
- Launched an online version of the full-stack deep learning course in May 2020 that brings ML from research into production .

SNORKEL AI | DATA JOURNALIST
Sep 2020 - June 2021 | Palo Alto, CA (Company Website)

- Wrote copy for Snorkel's Solutions Page that showcases how Snorkel's tech powers AI-based solutions across industries and use cases.
- Wrote technical content on programmatic labeling and weak supervision that Snorkel uses to address the data labeling bottleneck of ML development.

AI SAFETY CAMP | MACHINE LEARNING RESEARCHER
Jan 2021 – June 2021 | Remote (Research Summaries)

- Conducted research on technical AI alignment, which empirically demonstrates
  objective robustness failures in the deep reinforcement learning settings .