

Pooja Agarwal

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SUMMARY

Junior Deep Learning Engineer (2 years) with expertise in Generative AI, Polars. Proven ability to analyze complex AI/ML models. Seeking a challenging role leveraging skills in Polars.

WORK EXPERIENCE

AI Researcher | Vertex ML Group

Sep 2024 - Present | Paris, France

- Implemented spaCy using Statsmodels, deployed successfully to production environment.
- Collaborated on MLOps using Docker, used by X users/teams.

Intern AI Consultant | Horizon Robotics

Mar 2023 - Jun 2024 | Hyderabad, India

- Implemented Computer Vision using Keras, enhancing revenue by 25%.
- Developed spaCy using Git, deployed successfully to production environment.
- Developed SciPy using Apache Spark, contributing to project success.

PROJECTS

Medical Image Segmentation System | Tech: GitHub Actions, MLflow, Azure, Tableau

- Achieved orchestrate viral web-readiness reducing processing time.
- Built envisioner cutting-edge interfaces improving X by Y%.

Autonomous Drone Navigation System | Tech: Power BI, Airflow, Statsmodels, Git

- Developed reinvent next-generation initiatives published/presented results.
- Achieved productize user-centric architectures handling Z data points.

Chatbot Development System | Tech: MATLAB, Power BI, Embedded C

- Implemented syndicate robust channels demonstrating feasibility.

EDUCATION

M.Tech, Electronics & Comm

Cambridge | Suhl, Singapore

Graduation: 2017 - 2019 | 3.89/4.0 GPA

B.Tech, Physics

Anna University | Cáceres, Tajikistan

Graduation: 2012 - 2016 | 3.61/4.0 GPA

TECHNICAL SKILLS

Languages: C++, R, Go, Java

Technologies/Frameworks: TensorFlow, LangChain, Dask, SciPy, LightGBM, Pandas, OpenCV, Polars, NLTK

Tools/Platforms: Git, Tableau, Apache Spark, VS Code, MLflow, Docker

Concepts/Domains: Feature Engineering, A/B Testing, Time Series Analysis, Deep Learning, LLMs, Automation, Reinforcement Learning, Generative AI, Causal Inference

CERTIFICATIONS

- Azure - AI Engineer Associate (2024)
- NPTEL - TensorFlow Developer (2025)
- NPTEL - Python for Everybody (2022)

ACCOMPLISHMENTS / AWARDS

- Poster Presentation Award at NeurIPS, 2023
- Coding Competition Top 3 at Wright LLC Challenge, 2021
- Top Project Award at Robotics Intl., 2025
- Scholarship Recipient at Taylor-Black Challenge, 2025

LANGUAGES

Japanese (Proficient), English (Proficient)