

Ashish Gupta

ML Scientist with 4 years of experience developing AI enabled Tech products, with deep Research experience. Developed many end-to-end products. Give me your problem and I can get you a feasible AI-enabled Tech Solution. Highly motivated with outstanding writing and interpersonal skills. Looking to learn and use my skills to the other side of Business such as Product Development, Founders Office.

Education

2016-2020 **BE- Computer Science**
Birla Institute Of Technology, Mesra - Ranchi

Work History

Aug 22 - Current **Associate Machine Learning Scientist**
WadhvaniAI

- Holds ownership of Pregnancy report Stratification (PRS) Project.
- Being touchpoint between Client and different teams for technical design and end to end deployment.
- Achieved specificity and sensitivity of 80% and 70% respectively in short interval of time with ready to deploy model.
- Explored different LLM's on Indian Languages for PRS usecases.
- Developed AI-based newborn virtual weighing machine with other anthropometric parameters.
- To run-on low-end devices such as mobiles, reduced AI model size by 92% and improve processing time by 91%, improving efficiency and prediction speed.
- Increased prediction accuracy by 20% by combining visual and tabular data.
- Conducted various model analyses (attention, weight distribution).
- Showcased analytical skills and ability to interpret complex AI model behavior.
- Build and Manage data collection pipeline with

Contact

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Websites, Portfolios, Profiles

- [Linkdin](#)
- [Website](#)

Skills

Analytical Mindset
Research Design
Expert in [\[Software\]](#)
Organizational Skills
Problem-Solving
Quality Assurance

automatic data quality checks, that reduced data collection wastage by 30%.

- Performed POC's for MNCH projects such as Growth Faltering, PRS.

Jan 20 -
Jan 22

Core AI SDE-2

Signzy

- Manages ownership of diverse microservices and AI products, deploying on AWS, Azure, and on-prem end-to-end solutions.
- Awarded best team Player, as Worked closely with multiple teams and roles to make sure the deliveries happen & are executed.
- Being a touchpoint for clients and Multiple Vendors.
- Specialized in advanced technologies: Deep Face Authentication (1:N match), face match, and 1:1 face detection, OCR.
- Implemented solutions for digital tampering challenges, including screenshot and copy-paste manipulation, and copy-move detection.
- Applied secure masking techniques for Aadhaar and EkYC forms, utilizing OCR and segmentation.
- Led the design and implementation of extraction solutions with Named Entity Recognition (NER).
- Reduced weight/usage on advance API's by developing image quality analysis, which rejects 30% of bad quality images.

Research

IIT Kharagpur

Jan-Aug
2022

- Published Research paper in A* Conference, selected as long paper in COLING22.
- [A Novel Multi-Task Learning Approach for Context-Sensitive Compound Type Identification in Sanskrit.](#)
- Explore other AI areas such as Graph Neural Net, Reinforcement Learning, Generative AI.
- Research on different Language models and GraphsNN's for Medical Natural Language Inference, achieving 88% f1.

**Jan-Dec
2019**

*Advance Geometric Computing Lab, IIT
Madras and Central University of Rajasthan*

- Research on 3D Object Reconstruction from a single image.
- Explore different uncuse in Virtual and Augmented Reality such as Pose Estimations, Segmentation Models, single and multi-view reconstruction models.

**Sept-Dec
2019**

Junior ML Engineer

Omdena

- Worked with a team of 40 technocrat from 23 different countries for social welfare to find out the real time solution for forest fire outbreak in Brazilian Forest using AI.
- [More information.](#)