PURNATA GHOSAL

PhD, Computer Science

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PROFILE

I am a Computer Science PhD, currently working as a research engineer. Until recently, I was an academic researcher in theoretical Computer Science. However, I decided to step into a role in the industry since real-world applications of algorithms excite me immensely.

My research career equipped me with sound mathematical skills, project management and team-building capabilities. I enjoy coding in my free time and am particularly interested in being a part of AI/ML technology development that has taken the world by a storm.

A full list of my publications can be found here.

CONTACT

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HOBBIES

Technical blogger on medium, Amateur Illustrator and painter.

WORK EXPERIENCE

Computational Engineer, Subconscious Compute
April 2023 – Now
- Driving research, product design and algorithm development
- Hands-on development using Rust, Python
- Building company IP by filing patents and drafting white papers.

Postdoctoral Researcher, University of Warwick (UK)
Nov 2020 – Dec 2022
- Published at a reputed conference
- Ideated on new projects and created new collaborations
- Presented results to diverse audiences.

EDUCATION

MS & PhD (CSE), IIT Madras
2014 – 2020
- 5 publications at renowned conferences and journals
- 384 hours of teaching for a total of 12 courses

B.E (CSE), IIEST Shibpur
2010 – 2014
- Secured a GPA of 9.02, final year project (ML) on comparing two ways of compiling results of multiple classification algorithms.
- Multiple internships in data science (SINP, Kolkata) and image processing (IIT Kgp).

SKILLS

Programming Languages & Tools
Rust, Python, Java, C and C++ for coding, SQL for data wrangling, Python libraries NumPy, scikit-learn, TensorFlow, pandas, matplotlib for Kaggle projects.

AI/ML Concepts
Completed Coursera ML and DL specializations.