Arnav Kumar Tripathy

DESIGN RESEARCHER & EDUCATOR

PERSONAL

Born 2 April 1997
Birthplace Bargarh, Odisha

CONTACT

Phone +91 82803 03313
Email arnavkumar.tripathy@gmail.com
Website www.arnavtripathy.com
LinkedIn linkedin.com/in/arnav-kumar-tripathy

INTEREST AREAS

Typography
Visual Communication

Education

2020 – 2026

PhD in Design *Thesis submitted, Defense pending*

Indian Institute of Technology Delhi, New Delhi, India

TOPIC Systematic assessment of children's Odia handwriting legibility

COURSES Design for User Experience, Media Studies, Social Immersion, Design in Indian Context, Psychological Testing and Behavioral Assessment

2014 – 2018

B.Tech. in Industrial Design

National Institute of Technology, Rourkela, Odisha, India

COURSES Product Design, Interaction Design, Ergonomics in Design, Geometric and Solid Modelling, Elements of Design, Art and Aesthetics in Design, Computer Aided Design

2014

Class 12th (Science)

Newton College of +2 Science, Sambalpur · Council of Higher Secondary Education, Odisha

SUBJECTS Physics, Chemistry, Mathematics, Information Technology, English, Sanskrit

2012

Class 10th

Saraswati Vidya Mandir, Bargarh · Board of Secondary Education, Odisha

Senior Certification – II (Art and Craft)

Odisha Lalit Kala Academy, Bhubaneswar, Odisha, India

SKILLS Sketching, Painting (Water Colour, Acrylic Colour, Poster Colour, Pastel Colour, etc.), Thermocol modelling, Terracotta, etc.

Industry Work Experience

2018 – 2020

UX and UI Designer

Think Design Collaborative, Bengaluru, India

As a UX and UI Designer at Think Design Collaborative, I contributed to projects in web and mobile-based applications, wearable device and large screen displays design

across domains like health, finance, banking, e-commerce, education, and data analytics. My work as a designer involved:

- Conducting user research to understand user needs and pain points
- Integrating business requirements into design
- Visual design of user interface
- Interactive prototype design
- Design system and assets creation

Teaching Experience

Aug 2026 – Present

Assistant Professor

Pearl Academy, Delhi

As an Assistant Professor at Pearl Academy (Delhi), I have conducted classes for B.Des. and M.Des. students on the following courses.

CACDU5TPE375 Data Visualization

3 Credits · UG & PG · Elective Course · Class strength 20 each

- The course provided students with the necessary techniques for analysing various data types and translating them into informative, compelling, and interactive visualizations.
- Students learned how to apply various visual encoders to effectively convey complex information to diverse audiences, recognizing how design choices are influenced by context and culture.
- They also implemented interactive software and Gen-AI based applications to explore innovative approaches to data visualization in digital media.

CACDP3THM601 Context Setting

3 Credits · PG · Compulsory Course · Class strength 30

- The objective of this course was to enhance students' comprehension of diverse research methodologies, encompassing both quantitative and qualitative approaches, and to facilitate the practical application of these methodologies.
- As a part of this course, students collected user data using various data collection methods, analyzed the data and discovered user needs and pain points.
- The outcomes of the research activity in this course were to be used for their major design project in the subsequent semester.

2020 – 2026

Teaching Assistant

Department of Design (DoD), IIT Delhi, India

As a Teaching Assistant at DoD, IIT Delhi, I have contributed to the following academic activities.

COURSE TAUGHT

DDL 126 Typography and Layout

3 Credits · UG & PG · Compulsory Course · Class strength 20

Covered topics in History of Typography, Anatomical Features of Letterforms, Composition and Hierarchy, Grids and Layout Systems.

DEMONSTRATIONS CONDUCTED

DDL 217 Photography, Illustration and Moving Images
3 Credits · UG

Covered basics and a few advanced features through Adobe Photoshop, Adobe Illustrator and Adobe InDesign.

DDL 223 Cognitive Ergonomics
3 Credits · PG

Covered topics in Human Factors in Visual Design, Wayfinding Systems, Signage Design.

ASSESSMENT CONDUCTED

DDL 111 – Visualization Techniques · DDL 125 – Elements of Design · DDP 731 – Communication and Presentation Skills

Aug 2024

Guest Faculty

Woxsen University, Hyderabad, India

As a guest faculty, I taught a week-long module titled "Exploration of Typography and Techniques" to B.Des. students. The course covered topics on Anatomy of Letterforms, Composition and Hierarchy, Modular Typography, Expressive Typography, and basics of Publication Design.

Awards

Jan 2025

Distinguished Paper Award

For the paper titled "Understanding teachers' perceptions of legibility and readability parameters for Odia handwriting instruction and assessment", presented at the International Conference on Research into Design (ICoRD) 2025, held at the Indian Institute of Technology, Hyderabad, from 8 to 10 January 2025.

2025 – 26

Research Excellence Travel Award

Awarded by the Industrial Research and Development Unit, Indian Institute of Technology Delhi, for the academic year 2025–26.

Conference Presentations

Jun 2025

"*Development and Validation of the Odia Handwriting Evaluation Tool (OHET) for Lower Primary School Children*"
Presented at **the 4th Paris Conference on Education (PCE 2025)**, Sorbonne University, Paris, France · 10–14 June 2025

Jul 2024

"*Investigating the Factors Affecting Primary School Children's Handwriting Legibility in Odia Script*"
Presented at **the 12th European Conference on Language Learning (ECLL 2024)**, University College London, United Kingdom · 11–15 July 2024

Mar 2023

"*Effects of Odia Handwriting Education on Children's Letterform Comprehension*"
Presented at **the 17th International Conference on Design Principles & Practices**, Polytechnic Institute of Lisbon, Portugal · 29–31 March 2023

Journal Publications

2026

Tripathy, A. K., & Dey, S. (2026). **Development and validation of the Odia handwriting evaluation tool (OHET) for lower primary school children.** *Reading and Writing.* https://doi.org/10.1007/s11145-026-10780-x

Springer | I.F. 2.2 | **Quartile Q1** | SCOPUS, SSCI, ProQuest, etc.

2026

Tripathy, A. K., & Dey, S. (2026). **Identification of typographic factors of lower primary school children's handwriting legibility in the Odia script.** *Journal of Occupational Therapy, Schools, & Early Intervention*, 1–18. https://doi.org/10.1080/19411243.2026.2629366

Taylor and Francis | I.F. 1.1 | **Quartile Q2** | SCOPUS, ESCI, EBSCO, etc.

2026

Tripathy, A. K., & Dey, S. (2026). **A Semiotic Analysis of the Anatomy of Odia Letterforms.** *Visual Communication Quarterly*, 33(3), 298–315. https://doi.org/10.1080/15551393.2026.2669476

Taylor and Francis | I.F. 0.5 | **Quartile Q2** | SCOPUS, ESCI, Web of Science, etc.

2024

Tripathy, A. K., & Dey, S. (2024). **Effects of Odia handwriting education on children's letterform comprehension.** *The International Journal of Design Education*, 18(2), 125–147. https://doi.org/10.18848/2325-128x/cgp/v18i02/125-147

CGScholar | I.F. 0.7 | **Quartile Q1** | SCOPUS, EBSCO, ProQuest, etc.

Conference Publications

2026
ACCEPTED

Tripathy, A. K., & Dey, S. (2026). **A comparative study of reading performances across structural variations of juktāksharas (conjunct-consonants) for on-screen reading in the Odia script.** *ICoRD 2027* (Accepted).

2025

Tripathy, A. K., & Dey, S. (2025). **Understanding teachers' perceptions of legibility and readability parameters for Odia handwriting instruction and assessment.** In A. Chakrabarti, V. Singh, P. S. Onkar & M. Shahid (Eds.), *Responsible and Resilient Design for Society, Volume 2. ICoRD 2025. Lecture Notes in Mechanical Engineering* (pp. 55–67). Springer. https://doi.org/10.1007/978-981-96-6511-2_5

Declaration

I hereby declare that the information furnished above is true and correct to the best of my knowledge and belief.



Arnav Kumar Tripathy