

# CURRICULUM VITAE

UJJWAL BISWAS

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## Education:

- Pursuing **PhD (Thesis submitted: 10 July 2023)**, Dept. of CSE, IIT Guwahati, Assam India, since July 2016.
- IIT Guwahati, **course work** (Computer Vision using ML, Embedded System, Internet Protocols, and Speech Processing), **CPI-7.5**.
- **M.Tech.** Dept. of CSE, NITTTR (under MHRD, Govt. of India), Kolkata, Salt Lake, in 2010, **DGPA-7.89**.
- **B.Tech.** Information Technology, from B.P. P. I. M.T (under W.B.U.T) in 2006, **DGPA-7.06**.

## Achievement:

- Qualified **West Bengal SET 2015** for Asst. Prof. in Computer Science and Applications.
- Qualified **UGC-NET 2014** for Asst. Prof. in Computer Science and Applications.
- Qualified **UGC-NET 2013** for Asst. Prof. in Computer Science and Applications.
- Qualified **UGC-NET 2012** for Lectureship in Computer Science and Applications.
- Qualified **GATE 2008** with all India rank 846.

## Certification:

- **IBM certification**, Rational Functional Tester for Java (2011).
- **IBM certification**, IBM DB2 (2011).
- **IBM certification**, Lotus Notes Domino 8 System Administration Fundamentals (2011).

## Professional Experience:

1. **2** years, as **TA NPTEL** courses (Computer Graphics, Design & Implementation of Human-Computer Interfaces, and User-Centric Design for Human-Computer Interaction), at **IIT Guwahati** for Jan-May and June-Sept 2021, Jan-May and June-Sept 2022, Jan-May and June-Sept 2023.
2. **5** Years, as **TA**, in various UG/PG courses at **IIT Guwahati**, Assam, India, from July 2016 to June 2021.
3. Worked as a **Visiting Faculty** (Introduction to Computing) in the department of CSE, National Institute of Technology (NIT) Durgapur, **July-Nov 2014 semester**, West Bengal.
4. Worked as a **Visiting Faculty** (Introduction to Computing) the department of CSE, National Institute of Technology (NIT) Durgapur, **July-Nov 2013 semester**, West Bengal.
5. **1** Year and 4 months as an **Asst. Prof.** (Multimedia, Compiler Design, Artificial Intelligence, DBMS, Networking, Lab on DBMS, Multimedia, and Advance Programming and DBMS (PG)) in BCET, Bidhan Nagar, Durgapur, West Bengal.

6. **3 years and 3 months as an Asst. Prof.** (Object Technology and UML, Multimedia Technology and Application, Internet Technology, Formal Languages and Automata Theory, System Programming and Operating System, Lab on JAVA, Multimedia, Operating System, Networking, and trainer for IBM DB2 online certification course) in CIT Uluberia, Howrah, West Bengal.
7. **2 years, Senior Software Faculty** (C, C++, Java, VB6.0, J2EE, and Project) in AOIT, Kolkata, West Bengal.

#### **Industry Experience:**

**1 Year and 9 months as Software Developer** (Govt. of West Bengal, WBAT, Bikash Bhawan, 3rd Floor, East Block, Salt Lake, Kolkata-700091) for support and project, supervised by National Informatics Centre (NIC), India, Vidut Bhawan Gr. Floor, Block DJ, Sector II, Salt Lake City, Kolkata.

#### **Research Interest:**

- Human-computer interaction (HCI), Learning technology, Machine learning, Mobile HCI, User-centric computing.

#### **Publication:**

[1] **Biswas U.**, and Bhattacharya S., “ML-based Intelligent Real-time Feedback System for Blended Classroom”, Springer, Education and Information Technologies (2023), <https://doi.org/10.1007/s10639-023-11949-5>

[2] **Biswas, U.**, & Bhattacharya, S. (2022). Multimodal Peripheral Alert to Improve Teaching-Learning for Blended Classroom. In *ICT Analysis and Applications: Proceedings of ICT4SD 2022* (pp. 703-713). Singapore: Springer Nature Singapore, [https://doi.org/10.1007/978-981-19-5224-1\\_70](https://doi.org/10.1007/978-981-19-5224-1_70)

[3] Bhattacharya, S., Shah, V. B., Kumar, K., and **Biswas, U.** (2021). A real-time interactive visualizer for large classroom. *ACM Transactions on Interactive Intelligent Systems (TiiS)*, 11(1), 1-26, <https://doi.org/10.1145/3418529>

[4] Presented TiiS paper in IUI'22 (27th Annual Conference on Intelligent User Interfaces) by Ujjwal Biswas. Video Link: [https://www.youtube.com/watch?v=CdNDAwTV\\_ic&ab\\_channel=ACMSIGCHI](https://www.youtube.com/watch?v=CdNDAwTV_ic&ab_channel=ACMSIGCHI)

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