Sambit Praharaj

PhD Researcher at Welten Institute in Technology Enhanced Learning and Innovations group

Address

☐ Phone number | ✉ sambit_praharaj@yahoo.com | ⌂ sambit2.github.io/ | ☐ sambit2 | in sambitpraharaj

"The greatest danger for most of us is not that our aim is too high and we miss it but that it is too low and we reach it." — Michelangelo

Education

Open Universiteit *Heerlen, Netherlands*

PhD at Welten Institute in TELI group on designing real-time feedback to support co-located collaboration *September 2017 - August 2021*

- Working on Multimodal Learning Analytics in Co-located Collaboration using sensors to detect different indicators of co-located collaboration during a co-located collaboration task and enable real-time feedback to facilitate collaboration

Delft University of Technology *Delft, Netherlands*

Msc. in Computer Science, 7.37/10.00 (121 ECTS) *September 2015 - August 2017*

- Collaborated with Lambda lab in WIS research group at TU Delft and researchers from Lugano, Switzerland for my thesis
- Set up experiment and analyzed the data gathered from the event logs of the students in each lecture in a Bachelor class from different perspectives to determine the attention level of students which can help in improving the current state-of-the-art classroom teaching

VSSUT Burla *Odisha, India*

Bachelor of Technology in Information Technology, 8.74/10.00 *2011-2015*

- Major Project: Energy Efficient Routing in Wireless Sensor Networks

Experience

Organized a workshop with a team from NIE (NTU) Singapore and USA *Lyon, France*

Workshop on Multimodal Learning Analytics in Knowledge Building *June 2019*

Organized 2 workshops during Joint TEL Summer School *Bari, Italy*

One workshop related to my PhD and other was related to balancing PhD life with supervisor *June 2019*

Creator of YouTube channel: SambitPhD *YouTube*

Vlog my weekly PhD experiences and studying, living experiences in Netherlands *October 2018 - Present*

- Share my weekly PhD experiences, conference experiences, study and living experience in Netherlands

Mentor at VSSUT, Burla *Odisha, India*

Mentor in PSPF (Problem Solving and Programming Forum) *July 2014 - June 2015*

- Taught and guided our university juniors to program in Java and R and solve algorithmic problems

Researcher at CNERG (Complex Networking Group), IIT Kharagpur *Kharagpur, India*

Undergraduate Research Intern *May 2014 - June 2014*

- Performed research on the project titled as: "Measuring Similarity in Undirected, Unweighted Graphs"
- Simplified complex social and telecom networks which evolve with time by designing a combined similarity measure

Trainee at NIIT Limited *Bhilai, Chattisgarh, India*

Certification for Java SE6, ASP.Net *June 2013 - July 2013*

- Appeared for an exam and completed a project

Internship at C&IT Dept., Bhilai Steel Plant, SAIL (Steel Authority of India Limited) *Bhilai, Chhattisgarh, India*

Summer Internship *May 2013 - June 2013*

- Designed a short report just like a financial sheet which shows the Rail Steel Mill production in different financial years
- Used TOAD (Tool for Oracle Application Developers) to manage the SQL queries

Trainee at NIIT Limited *Bhilai, Chhattisgarh, India*

Certification for SQL, PL/SQL from ORACLE *May 2012 - June 2012*

- Appeared for a certification exam

Projects

Furnito - Furniture Search Engine & Recommendation System Project *TU Delft*

Programmer and designer *March 2016*

- Designed a furniture search engine (with a team of 4 other members) which is basically a simple recommendation system based on user activity and crowd sourcing

Energy Efficient Routing in Wireless Sensor Networks (WSN)

Major Project in final year of Bachelor's at VSSUT Burla

Odisha, India

August 2014 - May 2015

- Made a comparative study of different energy efficient routing algorithms in WSN
- Studied the existing algorithms and optimized it for better efficiency in the context of using the sensors for power supply in a city

M3D Waste – Optimizing healthcare waste incineration

Prepared and presented a innovative startup idea

TU Delft

December 2015

- Worked with 5 other members where my role was to contact the potential NGOs and other organisations
- The basic idea of the startup was to be able to create a 3D printed incinerator for incinerating bio-medical wastes
- Our team won the first prize on the final presentation day

Publications

EC-TEL 2019 Springer LNCS

S. Praharaj, M. Scheffel, H. Drachsler and M. Specht. Group Coach for Co-located Collaboration

Delft, Netherlands

September 2019

- Demo for the developed tool to give real-time feedback during co-located collaboration

EC-TEL 2018 Springer LNCS (Track: Innovative Learning Infrastructure)

S. Praharaj, M. Scheffel, H. Drachsler and M. Specht. Multimodal Analytics for Real-time Feedback in Co-located Collaboration

Leeds, UK

September 2018

- State-of-the-art-survey and a pilot study to give real-time feedback during PhD meetings

UMAP 2017 ACM (Track: Technology Enhanced Adaptive Learning)

V. Triglianos, S. Praharaj, C. Pautasso, A. Bozzon and C. Hauff. Measuring Student Behaviour Dynamics in a Large Interactive Classroom Setting

Bratislava, Slovakia

July 2017

- Analyzed the data captured during all the 15 lectures for the paper which is also a part of my master thesis

DESOSA (Delft Students on Software Architecture)

Chapter on Ember: A framework for creating ambitious web applications

TU Delft

May 2016

- Worked to communicate with the developers on Github, Slack and refactored part of the code on Github, contributed for the chapter

Skills

Computer

Programming, Analytics, Database and Design

- Programming: Java, C++, C#, Python, nodejs | Analytics: R, Tableau
- Database: SQL, MongoDB | Design: HTML, CSS, JavaScript

Language & Writing

Fluent in English, Oriya

- English (Full professional proficiency) | Oriya (Native or bilingual proficiency)
- Writing: Most viewed writer in Quora: TU Delft category since January 2017

Extracurricular Activity

GAM (Global Alumni Meet)

Organizing member at VSSUT

Odisha, India

January 2013

- Established contact with alumni and invited them for the meet with the help of emails and social media

ECO-Club, Rourkela

Participant of the environmental awareness drive

Odisha, India

June 2008

- Promoted environmental awareness among the locals on the occasion of world environment day by displaying meaningful posters

AIDS awareness workshop, Civic Centre, Rourkela

Participating member for raising AIDS awareness

Odisha, India

April 2006

- Raised awareness about AIDS as a participant of the workshop

Hobbies

Learn about deep learning, painting & cooking

Learn the basics, painting oil color, avid cook

- CNN (Convolutional Neural Networks), examples of deep learning on images
- Completed junior diploma in fine arts, fond of oil pastel and oil painting
- Watching cooking videos and experimenting with new dishes