Swarup Ranjan Behera

CONTACT INFORMATION	F-1, Brahmaputra Hostel IIT Guwahati, Guwahati-781039	+919439872747 b.swarup@iitg.ac.in

RESEARCH INTERESTS

I am interested in the research work related to machine learning, data mining and application of these techniques. In particular **short text mining** and **sport data mining**.

EDUCATION

Indian Institute of Technology Guwahati, Guwahati, India

Ph.D., Computer Science and Engineering, July 2015 - Present
- Thesis Title: *Mining Strengths and Weaknesses of Cricket Players Using Short Text Commentary.*
- Supervisor: Dr. V. Vijaya Saradhi

M.Tech., Computer Science and Engineering, **7.99** CPI, July 2013 - June 2015
- Thesis Title: *Spectral Clustering Using Convex and Constrained Settings.*
- Supervisor: Dr. V. Vijaya Saradhi

Veer Surendra Sai University of Technology, Burla, Odisha, India

B.Tech., Computer Science and Engineering, **8.30** CPI, July 2008 - June 2012
- Thesis Title: *A Novel Ontology Based Entity Relationship Model.*
- Supervisor: Dr. Rakesh Mohanty

TEACHING EXPERIENCE

Teaching Assistant, IIT Guwahati, July 2013 - Present

Database Lab	Spring 2015, 2016, 2020
Computing Lab	Spring 2017, 2018, 2019
Software Engineering	Fall 2018, 2019
Design and Analysis of Algorithms	Fall 2017
Computer Vision using Machine Learning	Fall 2016
Discrete Mathematics	Fall 2015
Data Structures Lab	Fall 2014
Probability and Linear Algebra	Spring 2014
Data Communication	Fall 2013

SKILLS

C, Python, R, MATLAB, SQL, Statistics, Machine Learning.

ACHIEVEMENTS

Grants and Fellowships

• MHRD Government of India Fellowship for PhD	July 2015 - June 2019
• MHRD Government of India Fellowship for MTech	July 2013 - June 2015
• Odisha State Government Scholarship for BTech	July 2008 - June 2012
• National Rural Talent Scholarship	July 2001 - June 2004
• Primary Scholarship	July 1998 - June 1999
• Elementary Scholarship	July 1996 - June 1997

Academic
- Attended the ICVGIP conference 2016 at IITG.
- Completed national workshop on GPU programming and applications 2014, at IITG.
- All India Rank 696 in Graduate Aptitude Test in Engineering (GATE-2013).
- Secured third position in codezam, in Srujan 2011 at VSSUT, Burla.

Community Services
- Served as a reviewer of IEEE VIS 2020.
- Served as a program committee member of ECML-PKDD 2020.
- Organized ICVGIP 2016 Conference at IITG.

Extra Curricular
- Organized Advaya 2015, PG cultural festival at IITG.
- Technical officer in the student gymkhana council 2014-2015 at IITG.
- Best departmental act award in Advaya 2014, PG cultural fest. at IITG.
- Gold medal for short movie making in Film Festival 2012 at VSSUT, Burla.

PUBLICATION

S. R. Behera and V. S. Vedula, *Mining Temporal Changes in Strengths and Weaknesses of Cricket Players Using Tensor Decomposition*, In proceedings of the 28th European Symposium on Artificial Neural Networks, Computational Intelligence and Machine Learning (ESANN), Bruges, Belgium, 2020.

S. R. Behera, P. Agrawal, A. Awekar and V. S. Vedula, *Mining Strengths and Weaknesses of Cricket Players Using Short Text Commentary*, 2019 18th IEEE International Conference On Machine Learning And Applications (ICMLA), Boca Raton, FL, USA, 2019, pp. 673-679, doi: 10.1109/ICMLA.2019.00122.

REFERENCES

Dr. Vijaya V. Saradhi, Ph.D
Associate Professor,
Department of CSE
Indian Institute of Technology Guwahati
Guwahati, Assam, India 781039
saradhi@iitg.ac.in

Dr. Ashish Anand, Ph.D
Associate Professor,
Department of CSE
Indian Institute of Technology Guwahati
Guwahati, Assam, India 781039
anand.ashish@iitg.ac.in

Dr. Amit Awekar, Ph.D
Assistant Professor,
Department of CSE
Indian Institute of Technology Guwahati
Guwahati, Assam, India 781039
amitawekar@gmail.com

Dr. Rakesh Mohanty, Ph.D
Associate Professor,
Department of CSE
VSSUT Burla
Burla, Odisha, India 768018
rakesh.iitmphd@gmail.com