Suvarthi Sarkar

Roll No.: 216101008
Ph.D
Computer Science and Engineering
Indian Institute of Technology, Guwahati

+91-7003497612
+91-8583845841
s.sarkar@iitg.ac.in
suvarthi50@gmail.com
Linkedin Profile

ABOUT ME

I have three years of research experience under the mentorship of Dr. Aryabartta Sahu, with a robust background in cloud computing, containerization, vehicular systems, and edge computing. My work has led to several significant publications in these fields, and I have collaborated with numerous B.Tech. and M.Tech. students at our institution. I am now seeking industry opportunities where I can apply my research and technical skills to drive innovation and enhance efficiency.

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
Ph.D	Indian Institute of Technology, Guwahati	7.25	2021-Present
M.Tech	University of Calcutta	8.50	2019-21
M.Sc	University of Calcutta	74.71%	2017-19
B.Sc	St. Xavier's College (Autonomous), Kolkata	78.44%	2014-17
Senior Secondary	WBCHSE	83.60%	2014
Secondary	WBBSE	88.42%	2012

PUBLICATIONS

Under Review/ Arxiv

1. **S. Sarkar**, N. Sharma, A. Mittal, A. Sahu, "Power Aware Container Placement in Cloud Computing with Affinity and Cubic Power Model"

2. **S. Sarkar**, A. Trivedi, R. Bansal, A. Sahu, "QoS Aware Mixed-Criticality Task Scheduling in Vehicular Edge Cloud System"

3. **S. Sarkar**, A. Arun, H. Surekha, A. Sahu, "Efficient Profit Maximization in Reliability Concerned Static Vehicular Cloud System"

Conference

1. S. Roy, **S. Sarkar**, A. Sahu, "Profit Maximization Using Collaborative Storage Management in Multi-Tier Edge-Cloud System", 2023 IEEE 30th International Conference on High Performance Computing, Data, and Analytics (HiPC), Goa, India, 2023, pp. 309-318

Journal

1. S. Roy, R. Saha, **S. Sarkar**, R. Mehera, R. K. Pal, S. K. Bandyopadhyay, "Brain Tumour Segmentation Using S-Net and SA-Net", in IEEE Access, vol. 11, pp. 28658-28679, 2023

TECHNICAL SKILLS

–**Programming**: Python, C, C++

ACADEMIC ACHIEVEMENTS

–**GATE**: Qualified GATE 2021 in CSE. Gate Score - 588
–**UGC NET**: Qualified for Assistance Professorship in UGC NET June 2019, June 2020

CERTIFICATION

– **Deep Learning Specialization**, Certificate   *Jan 2022*