Suvam Basak

Ph.D. scholar at *Indian Institute of Technology, Kanpur*
Email: suvambasak22@iitk.ac.in, suvambasak@cse.iitk.ac.in

Updated July 10, 2023
Web: suvambasak.github.io
Github: github.com/suvambasak

Research Interests	My research interests lie in the **implementation** and **simulation** of *Networked Systems* and the *Internet of Things*.

Education

Indian Institutes of Technology Kanpur (IIT-K) — Kanpur, Uttar Pradesh
Ph.D. in Satellite Internet — Computer Science & Engineering — 2022 – Present
Advisor: Dr. Amitangshu Pal & Dr. Debopam Bhattacherjee *CGPA: 8.75/10*

University of Hyderabad (UoH) — Hyderabad, Telangana
M.Tech. in Information Technology — — 2020 – 2022
School of Computer and Information Sciences collaboration with IDRBT
Advisor: Dr. Satish Narayana Srirama *CGPA: 9.61/10*

West Bengal University of Technology (WBUT) — Kolkata, West Bengal
B.Tech. — Computer Science & Engineering, — 2014 – 2018
CGPA: 8.6/10

Research Experience

Cloud and Smart Labs
Advisor: Dr. Satish N. Srirama (UoH) — 2021 – 2022
An Integrated and Standards-based Fog Computing Federation Framework: Dynamic deployment of services on the fog nodes out of the box on the fly with OASIS TOSCA standard. GitHub.

Teaching Experience

Tutor, Department of CSE (IIT-K)
ESC111M/112M - Fundamentals of Computing - I & II — 2023-I
ESC111A/112A: Fundamentals of Computing - I & II — 2022-II
Teaching assistant, eMasters in Cyber Security (IIT-K)
CS971: Computer Networking II — 2022-23
CS963: Computer Networking I — 2022-23
Teaching assistant, Department of CSE (IIT-K)
CS610: Programming for Performance — 2022-II

Conference Publications

S. N. Srirama and **S. Basak**, "Fog Computing out of the Box with FogDEFT Framework: A Case Study," 2022 IEEE 15th International Conference on Cloud Computing (CLOUD), Barcelona, Spain, 2022, pp. 342-350, doi: 10.1109/CLOUD55607.2022.00057.

Honors and Scholarships

AICTE scholarship in M.Tech. (Ministry of Education — India) — 2020 – 2022
GATE qualified with 95%tile — 2019 and 2020
Smart India Hackathon finalist (KL University, Guntur, Andhra Pradesh) — 2017

Technical Skills

Programming
Proficient in: *C, Python* — Familiar with: *Flask, Verilog, Dart, Flutter, Solidity, JavaScript, Java*
Tools & Softwares: *Gurobi Optimizer, Ansible, Docker, Docker Swarm, TOSCA*
Hardware: *Raspberry Pi, Arduino*

Referees

Dr. Amitangshu Pal, *Assistant Professor*

Department of Computer Science & Engineering at *Indian Institute of Technology Kanpur* — India
E-mail: amitangshu@cse.iitk.ac.in, **Web**: cse.iitk.ac.in/users/amitangshu

Dr. Debopam Bhattacherjee, *Senior Researcher at Microsoft Research — India*
E-mail: debopamb@microsoft.com, **Web**: bdebopam.github.io

Dr. Satish Narayana Srirama, *Associate Professor (Member IEEE)*
School of Computer and Information Sciences at *University of Hyderabad — India*
E-mail: satish.srirama@uohyd.ac.in, **Web**: scis.uohyd.ac.in/ srirama