

Suvam Basak

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Ph.D. scholar at *Indian Institute of Technology, Kanpur*

Web: suvambasak.github.io

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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
PhD in Satellite Internet — Computer Science & Engineering 2022 – Present
Advisor: [Dr. Amitangshu Pal](#) & [Dr. Debopam Bhattacharjee](#) 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

Honors and Scholarships AICTE scholarship in M.Tech (Ministry of Education — India) 2020 – 2022

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, 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](https://doi.org/10.1109/CLOUD55607.2022.00057).

Technical Skills **Programming**
Proficient in: *C, Python*
Familiar with: *Flask, 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 Bhattacharjee, *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

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