

Siddharth Pritam

EDUCATION

- 2016 – 2019 **Doctoral Student**
Supervision: Jean-daniel Boissonnat, Inria, Sophia Antipolis, France
- 2006 – 2011 **Mathematics and Computing, Integrated M.Sc.(B.S and M.S)**
Indian Institute of Technology Kharagpur, Kharagpur, India

RESEARCH INTEREST

- Computational Topology and Geometry
- Algebra

VISITING STUDENT/INTERNSHIPS

- Apr'16 – Sept'16
DataShape, Inria Sophia Antipolis, France.
Supervisor: **Jean-Daniel Boissonnat**.
Extension of geometric and topological algorithms to Non-metric dissimilarity measures like Bregman divergence or Riemannian metrics.
- Jan'16 – Feb'16
ACMU, ISI Kolkata, India.
Supervisor: **Arijit Ghosh**.
Survey of algebraic techniques like Polynomial methods in computational geometry and combinatorics.
- Jun'15 – Sept'15
MPI, Saarbruecken, Germany.
Supervisor: **Dr. Michael Kerber**
Homotopy equivalence between kinetic Alpha complexes and corresponding kinetic Nerve. Generalisation of Persistent homology for non-trivial filtrations.
- May'10 - Jul'10
ICT, CSIRO, Sydney, Australia.
Supervisor: **Dr. Mikhail Prokopenko**
Investigated the phase transition between ordered and chaotic behaviour in Small World RBNs from the perspective of the distributed computation conducted by their nodes.
- May'09 - Jul'09
Jaume-I University, Castellon, Spain.
Supervisor: **Dr. Eris Chinellato**
Modelled the primate's neural mechanisms in sensorimotor coordination between visions gazes and arm movements, using Neural Networks.
- May'08 - Jul'08
IIM Kolkata, India.
Supervisor: **Prof. P. Dasgupta**

Developed and implemented an optimization Algorithms for VLSI Physical Design.

WORK EXPERIENCE

- Jul'11 – Mar'14 and Oct'14 – May'15.
Fair-Isaac India Software Pvt. India.(FICO)
Analytic Science – Consultant
Development of Probabilistic models for credit risk analysis. The applied techniques were Regression, GAM, Clustering.
- Mar'14 – Jun'14.
Team Infographics. **Founder**
Founded and developed (C++) a 2D soccer simulation team, Infographics, which participated in RoboCup 2D Soccer Simulation League 2014.

SCHOLARSHIPS AND GRANTS

- DataShape, Inria, France, 2016
- MPI, Saarbruecken, Germany, 2015
- CSIRO, Sydney Australia, 2014 and 2010
- RoboCup Federation, 2014