

# Chethan Kamath

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## Education

1. **Master's** (2010-2013): In Computer Science at Indian Institute of Science, Bangalore with specialisation in Cryptography (GPA: 6.25/8)

*Courses undertaken:* Discrete Mathematics, Linear Algebra, Algebra (audit), Complexity Theory (currently auditing), Quantum Computing (on-line, through Coursera), Cryptography and Topics in Cryptography

*Thesis:* Constructing Provably-Secure Identity-Based Signatures (Submitted in June)

*Papers based on the thesis:*

- (i) Galindo-Garcia Identity-Based Signature Revisited: with Sanjit Chatterjee and Vikas Kumar at *Information Security and Cryptology* (ICISC'12)
  - (ii) A Closer Look at Multiple-Forking: Leveraging (*In*)dependence for a Tighter Bound: with Sanjit Chatterjee (Manuscript)
  - (iii) From Selective-ID to Full-ID IBS without Random Oracles: with Sanjit Chatterjee, to appear in *Security, Privacy, and Applied Cryptography Engineering* (SPACE'13)
2. **Bachelor's** (2005-2009): In Computer Science at TKM College of Engineering, University of Kerala. (Score: 84.2%)

*Major Project:* Implementation of community detection in large-scale social networks and its visualisation (using C#.NET)

3. **12<sup>th</sup>** board exam: 94.7%
4. **10<sup>th</sup>** board exam: 96.8%

## Research Interest

*Cryptography:* Foundations of Cryptography, Provable Security and *Complexity Theory*

## Professional Experience

1. Tata Consultancy Services (2009-2010): Developer, .NET framework

## References

- Dr. Sanjit Chatterjee (Research Supervisor): Dept. of CSA, Indian Institute of Science, Bangalore. e-mail: sanjit@csa.iisc.ernet.in
- Prof. C.E. Veni Madhavan: Dept. of CSA, Indian Institute of Science, Bangalore. e-mail: cevmm@csa.iisc.ernet.in