ANASUYA ACHARYA

Masters Student Interested in Cryptography



EXPERIENCE

Research Assistant

Information Security Research and Development Center(ISRDC)

Mumbai, India

A three year scholarship student and Research Assistant in ISRDC, IITB.

IT Intern

Atreus Global

May - June 2016

♀ Jakarta, Indonesia

Back end Java developer involved in SAP installation, integration and technical documentation.

Research Intern

Indian Statistical Institute

December 2015 - January 2016

♥ Kolkata, India

Research intern in cryptography under Prof. Shubhamoy Maitra and involved in the study and attempted cryptanalysis of the RC4 stream cipher.

Systems Engineering Intern

P.T. Yokogawa Indonesia

May - June 2015

♀ Jakarta, Indonesia

Involved in installation project of DCS (Distributed Control Systems) in industrial production plants.

IT Intern

P.T. Indorama Synthetics

December 2014 - January 2015

Purwakarta, Indonesia

Developer, tester and debugger for PHP based applications, and performed data analysis using Oracle BI.

EDUCATION

M.Tech. in Computer Science and Engineering (CSE)

IIT Bombay

Mumbai, India

CGPA: 9.54

B.Tech. in CSE

NIT Trichy

₩ May 2017

▼ Tiruchirappalli, India

CGPA: 8.06

IBDP

Gandhi Memorial International School

May 2013

♀ Jakarta, Indonesia

Score: 37 / 45

BSEISI

Gandhi Memorial International School

♀ Jakarta, Indonesia

Score: 93.2%

ICSE

Rama International School

♀ Purwakarta, Indonesia

Score: 93%

MOST PROUD OF



GATE (Graduate Aptitude Test for Engineering)

Score of 791 and AIR (All India Rank) 231 in the GATE Computer Science and Information Technology paper in February 2017



AP (Advanced Placement Exam)

Scored 3/5 in Physics C Mechanics, Computer Science A, Calculus AB in May 2012



AAT (National Award of Academic Aptitude and Achievement Test)

Scored 99 percentile in quantitative aptitude in May 2007

PUBLICATIONS

Conference Proceedings

- Acharya, Anasuya, Manoj M. Prabhakaran, and Akash Trehan (2019).
 "CellTree: A new Paradigm for Distributed Data Repositories". In: IACR Cryptology ePrint Archive 2019. IACR.
- Prabhakaran, Manoj M., Anasuya Acharya, and Akash Trehan (2019).
 "An Introduction to the CellTree Paradigm". In: 15th International Conference on Information Systems Security (ICISS 2019), Volume 11952
 LNCS, 16-20 December 2019. Hyderabad, India: Springer.
- Sanyashi, Tikaram, Anasuya Acharya, and Bernard Menezes (2019).
 "Plaintext Recovery Attacks and their Mitigation in an Application Specific SHE Scheme". In: 20th International Conference on Parallel and Distributed Computing, Applications and Technologies (PDCAT 2019), 5-7 December 2019. Gold Coast, Australia: IEEE Xplorer.
- Patil, Vishwas, Anasuya Acharya, and R. K. Shyamasundar (2018).
 "Landcoin: A Land Management System using Litecoin Blockchain Protocol". In: 3rd Symposium on Distributed Ledger Technologies (SDLT3) 2018, 12 November 2018. Gold Coast, Australia.

Workshops, Projects and Talks

- Acharya, Anasuya (2019). Landcoin A Land Management Protocol.
 Third Workshop on Blockchain Technologies, its Applications (BW3) 2019, 4-7 February 2019, IIT Bombay, and IDRBT Hyderabad, India.
- Anasuya, Acharya (2019). *CellTree: A new Paradigm for Distributed Data Repositories*. Talk, 28 June 2019, IIT Bombay, Mumbai, India.
- Acharya, Anasuya, Digvijaysingh Gour, et al. (2018). Fair Multi-Party Computation using Public Bulletin Boards. Course Project, January -April 2018, IIT Bombay, Mumbai, India.

REFEREES

Dr. Manoj M. Prabhakaran

IIT Bombay

Masters Thesis Supervisor

Dr. Subhamoy Maitra

ISI Kolkata

https://www.isical.ac.in/~subho/

Dr. Bernard L. Menezes

IIT Bombay

www.it.iitb.ac.in/~bernard/

Dr. Nutan Limaye

IIT Bombay

www.cse.iitb.ac.in/ nutan/

STRENGTHS



My Amazing Parents

Alakananda and Koustav Acharya

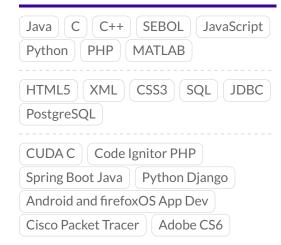
Hard-working Creative Proactive Eclectic Interests

LANGUAGES

English Hindi Bengali Japanese Mandarin Bahasa Indonesia



SOFTWARE SKILL SET



EXTRA-CURRICULAR CERTIFICATIONS

JLPT N2 HSK 3 TEFL BMC @ HMI



HOBBIES

