ANASUYA ACHARYA

Masters Student Interested in Cryptography

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AFFILIATION

Research Assistant
Information Security Research and Development Center(ISRDC)

📅 July 2017 – Ongoing   ⚲ Mumbai, India

A 3-year scholarship student and Research Assistant in ISRDC, IITB.

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

⚲ Mumbai, India   @ mp@cse.iitb.ac.in   ☎ +91-22-2576-7709
⚲ www.cse.iitb.ac.in/~mp/
Masters Thesis Supervisor

Dr. Bernard L. Menezes
IIT Bombay

⚲ Mumbai, India   @ bernard@cse.iitb.ac.in   ☎ +91-22-2576-7906
⚲ www.it.iitb.ac.in/~bernard/

EDUCATION

M.Tech. in Computer Science and Engineering (CSE)
I.I.T. Bombay

📅 Ongoing   ⚲ Mumbai, India

CGPA: 9.39

B.Tech. in CSE
N.I.T. 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

📅 March 2013   ⚲ Jakarta, Indonesia

Score: 93.2%

ICSE
Rama International School

📅 March 2011   ⚲ 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

EXPERIENCE

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

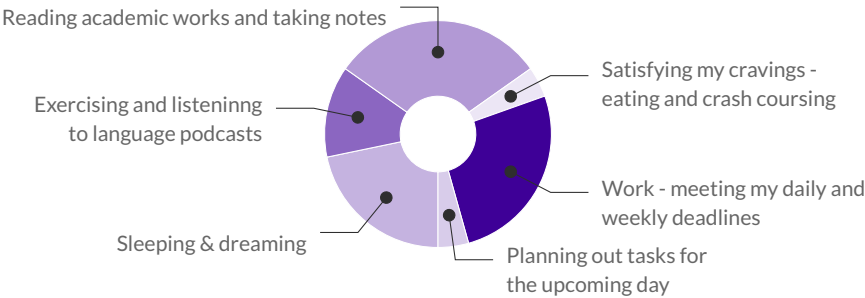Involved in installation project of DCS (Distributed Control Systems) in industrial production plants.

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.

A DAY OF MY LIFE

Reading academic works and taking notes

Exercising and listeninng to language podcasts

Sleeping & dreaming

Satisfying my cravings - eating and crash coursing

Work - meeting my daily and weekly deadlines

Planning out tasks for the upcoming day

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

Java   C   C++   SEBOL   JavaScript
Python   PHP   MATLAB
HTML5   XML   CSS3   SQL   JDBC
PostgreSQL
CUDA C   Code Ignitor PHP
Spring Boot Java   Python Django
Android and firefoxOS App Dev
Cisco Packet Tracer   Adobe CS6

EXTRA-CURRICULAR CERTIFICATIONS

JLPT N2	●●●●○
HSK 3	●●●●●
TEFL	●●●●●
BMC @ HMI	●●●○○

HOBBIES

Writing   Reading   Visual Arts
Trekking   Swimming   Yoga
Language Learning   Crash Coursing
Tae Kwon Do   Crocheting
Bharatanatyam dance   Tutoring