

Aroonav MISHRA

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EDUCATION

Examination	University/Board	Institute	Year	CPI/%
Graduation	IIIT Bhubaneswar	IIIT Bhubaneswar	2013-2017	8.06/10.0
Intermediate/+2	CBSE	Sri Sankara Vidyalaya, Bhilai, CG, India	2013	88.0
Matriculation	ICSE	BEMS, Jharsuguda, Odisha, India	2011	89.7

EXPERIENCE

KDE | Google Summer of Code Intern

MAY-AUG 2015

[\[Git Commits\]](#)

[\[Blog Posts\]](#)

Mentors: Mark Kretschmann & Myriam Schweingruber

- Ported AmaroK media player to use Qt5 libraries & KDE Frameworks 5 libraries, a collection of libraries by KDE that forms the foundation of KDE applications.
- Tech Stack: CMake, GNU Make, Git, C++.

PROJECTS

Comparison of anomaly detection algorithms

[\[Report\]](#) [\[GitHub\]](#) | Ongoing

Mentor: Prof. Puspanjali Mohapatra, IIIT Bhubaneswar

- Investigating the performance of various anomaly detection algorithms for keystroke dynamics.

Baggy bounds checking using Clang and LLVM

[\[GitHub\]](#) | Summer 2016

Mentor: Dr. Debasish Jena, IIIT Bhubaneswar

- Implemented and analysed baggy bounds checking using a binary buddy memory allocator to prevent out-of-bound errors and identify security problems.
- Tech Stack: C, C++, Clang, LLVM

Sentiment Analysis of Twitter Data.

[\[GitHub\]](#) | Fall 2015

Mentor: Prof. Mukesh Tiwari, IIIT Bhubaneswar

- Extracted sentiment from real time messages about people's opinion regarding a topic.
- Tech Stack: Java, Apache Hadoop

Linux From Scratch

[\[GitHub\]](#) | Fall 2014

- Constructed a fully functional operating system running Linux kernel compiled and manually configured from source code.
- Tech Stack: GNU Make, bash

SEMINARS

Spring 2016 Python Virtual Environments [\[Slides\]](#) [\[Report\]](#)

ACHIEVEMENTS

- 2010 National Rank 81 in Unified Cyber Olympiad
- 2010 2nd Rank in Quiz in SGAT State Level Environment & Mineral Awareness Program
- 2009 National Rank 290 in Unified Cyber Olympiad
- 2008 National Rank 114 in Unified Cyber Olympiad
- 2008 National Rank 445 in National Science Olympiad