

Ankit Deepak

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EDUCATION

NITK SURATHKAL

BTECH IN COMPUTER SCIENCE

Expected May 2017

CGPA after V sem: 9.14 / 10

CHINMAYA VIDYALAYA

Grad. May 2013 | Bokaro, India

ST FRANCIS SCHOOL

Grad. May 2011 | Deoghar, India

LINKS

Github:// [adeepkit01](#)

LinkedIn:// [ankit-deepak](#)

COURSEWORK

UNDERGRADUATE

Data Structures and Algorithms

Design and Analysis of Algorithms

Operating Systems

Distributed Computing Systems

Computer Networks

Computer Architecture

SKILLS

PROGRAMMING

Fluent

Java • C • C++ • Python

Django • NS3 • \LaTeX

Familiar:

Ruby • HTML • CSS • MySQL

• Android • Shell

EXPERIENCE

MOOG FLIGHT CONTROL | SUMMER INTERN

June 2015 | Bangalore, India

- Build an embedded system for flight controls on a Jetson Tegra TK1 chip utilising all the cores efficiently

CONCAT | SUMMER INTERN

May- July 2015 | Work From Home

- Built API for this Django based website and optimised the search

PROJECTS

PARALLEL DYNAMIC APPROACH FOR DATA ANALYSIS

Publication on data analysis and pattern recognition accepted by ICRCICN 2015, Kolkata

RANDOM NUMBER GENERATOR | USES SURROUNDING TO GENERATE RANDOMNESS

November 2015 | NITK Surathkal

Uses surrounding sound, light, network congestion as source of randomness to generate random numbers.

VISUAL CRYPTOGRAPHY | GENERATING SHARES TO HIDE AND IMAGE

November 2015 | NITK Surathkal

Uses pixel expansion and block replacement to achieve encryption.

DHCP IN NS3 | ADDED DHCP MODULE IN NS3

November 2015 | NITK Surathkal

Added DHCP module in NS3, patch under review by NS3 community

IDE FOR C, C++, JAVA & PYTHON | ALL IN ONE IDE FOR WINDOWS USER

November 2015 | NITK Surathkal

An IDE which uses Java in frontend and Python for backend and needs a Linux server in backend.

OTHER PROJECTS

- 2015 Experimented with video transfer on Orbit Testbed
- 2015 Designed an adaptive round robin scheduler for multicore systems
- 2015 A renting website in Django and sqlite
- 2015 An android apps for patients to check their symptoms
- 2015 An operating system using COSMOS
- 2015 A clone of AKAROS scheduler and its application in real life
- 2015 Survey on security operating systems
- 2015 Designed a puzzle game at Microsoft Code Fun Do
- 2015 Was the part of team that developed Android game Swipeball
- 2014 A digital clock using basic logical circuits

ACTIVITIES AND ACHIEVEMENTS

Treasurer of Web Enthusiast's club NITK

Executive Member of IE NITK

NTSE Scholar

Qualified the first level of INOI twice

