Manas Gupta

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EDUCATION

NITK, SURATHKAL
B.Tech. in Computer Science and Engineering
CGPA: 8.13

SACRED HEART CO-ED SR.SEC. SCHOOL, INDORE
Class XII (CBSE) | 94.4%

Class X (CBSE) | CGPA: 10.00

LINKS

GitHub:// manas11
LinkedIn:// manasgupta11

COURSEWORK

Data Structures and Algorithms
Object Oriented Programming
Software Engineering
Operating Systems
Computer Organization and Architecture
Concrete Mathematics

ACHIEVEMENTS

AIR 2770 in JEE Mains out of 1.2 million candidates.

EXPERIENCE

IRIS NITK | Backend Developer Intern
May 2019 – July 2019

- We are a team of motivated students from NITK Surathkal, developing and expanding a digital portal that ensures that all administrative, academic and alumni related procedures take place methodically.
- Worked on developing the Employees Complaints Module to manage complaints filed by the employees at NITK. This module is used by about 500 employees.
- Made enhancements to the Employees Quarters module.

PROJECTS

BARGAINER ANDROID APPLICATION

- Developed an android based application to help those people who do not have bargaining skills and can easily be conned or for those people who have moved to a new town or city and are looking for a local guide who can help them to shop for their requirements.

DSL AND AUTOMATED CODE GENERATION

- Developed a DSL(Domain Specific Language) and generated automated code segments to reduce energy-related code smells in Android applications.
- Used Xtext for DSL and Xtend for code generation. Deployed as an Eclipse plugin to be used by the andorid developers.

IPERF IN NS-3 DCE | Implemented Dumbbell Topology in Iperf Example
Worked on adding dumbbell topology with n clients, two routers, one server in ns-3 DCE(Direct Code Execution). Used Iperf to measure bandwidth performance.

SKILLS

PROGRAMMING
Acquainted:
C • C++ • Java • Android Studio • Ruby on Rails • HTML5
Familiar:
Python • MySQL • LaTex• Git • Xtext