

Sanketh MOPURU

PERSONAL DATA

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HOME PAGE	sanketh95.github.io
GITHUB	Open source projects

WORK EXPERIENCE

SUMMER 2014	Summer Intern at D.E.SHAU INDIA SOFTWARE PVT. LTD., <i>Hyderabad</i> Developed a tool to automate the process of data management there by reducing manual intervention and saving around 10 hours of developer time per week.
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EDUCATION

MAY 2015 (Expected)	Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING, Indian Institute of Technology , Guwahati Major: Computer Science and Engineering Gpa : 8.05/10 (After 6 Semesters)
MAY 2011	High School Narayana Junior College , Hyderabad Score : 98.1%

HONORS

- Recipient of Merit-Cum means scholarship for three consecutive academic years 2011-12, 2012-13 and 2013-14.
- Qualified for the 2nd round of TCS CodeVita organized by Tata Consultancy Services Limited.
- Secured an All India Rank of 776 in IIT-JEE and stood amongst the top 0.2 percentile.
- Secured an All India Rank of 822 in AIEEE and stood amongst the top 0.6 percentile.
- Selected for the 2nd level of National Science Olympiad (NSO) with a gold medal in the first level.

TECHNICAL SKILLS

Operating Systems	Windows, Linux
Programming Languages	C, C++, Python, Haskell, Java, PHP, node.js
Database Management	MySQL, PostgreSQL, SQLite
Web Development	HTML, CSS, Javascript, CodeIgniter, Web2Py, Django
Others	MS Office Suite, \LaTeX , Vim, Eclipse, Shell scripting, git, Google App Engine

MAJOR PROJECTS

Coverage and Connectivity in Wireless Sensor Networks (Ongoing)

- WIRELESS SENSOR NETWORKS(WSNs) consists of several tiny nodes with limited processing power and sensing capabilities deployed into an environment in order to monitor phenomenon such as temperature, pressure etc.
- This project aims at developing algorithms to ensure 100% coverage and connectivity in WSN in order to efficiently monitor the phenomenon.
- Currently, I am surveying the latest research being done in the field.

Intranet Entertainment Portal

Led a team of 20 and successfully developed an entertainment portal for IIT Guwahati intranet. It has features like

- Portal to upload, download and play music.
- A video streaming and sharing social network.
- An online code judge to host programming competitions.
- Portal to upload and download documents.

Hotel management software

Developed a hotel management software. It has feature like

- Manage Employees - superusers and normal users with proper permissions.
- Book Rooms and checkout customers.
- Manage rooms - Portal to easily handle changes to rooms. For example, changing a room's level from ordinary to executive etc.

Coursera Offline

Developed a software to download course videos from Coursera for people with poor internet connections.

Features

- Maintains folder structure according to weeks.
- Auto Synchronizes videos every week.
- Saves session cookies to keep the user logged in.

FEW OTHER PROJECTS

Event Management System	Quiz software
Assembler-linker-loader	TFTP Client
FTP Server and Client	Hospital Management software
GUI based hackenbush game in Haskell	Survey on Peer-to-Peer support for MMORPGs
Interactive Budget Management app (Android)	Lexical analyzer & Parser for C

OTHER ACTIVITIES

AUG 2014	Technical Head of COMPUTER SCIENCE AND ENGINEERING ASSOCIATION (CSEA)
OCT 2014	Participated and ranked 3 rd in the inter hostel hackathon competition conducted at IIT Guwahati.
JAN 2012	Member of online events web development team of campus technical fest(Techniche)
DEC 2011	Representative for the city of Nellore, Andhra Pradesh for conducting <i>Technothon</i> , an annual technical event.