Aayush Sarva

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EDUCATION

THE LNM INSTITUTE OF INFORMATION TECHNOLOGY

Bachelor of Technology
Communication and Computer Engineering
Expected Jul '16 | Jaipur, Raj.
CPI: 8.33 / 10.0

DEFENCE PUBLIC SCHOOL

Higher Secondary Exam | CBSE
May '12 | Jaipur, Raj.
86.8 %

ST. STEPHEN'S SR. SEC. SCHOOL

Secondary Exam | CBSE
May '10 | Ajmer, Raj.
GPA: 10.0 / 10.0

LINKS

Github:// **checkaayush**
LinkedIn:// **checkaayush**

ACHIEVEMENTS

Winner
SocialCops Hackathon | Jun '15
Geographical shapefile creation from Google Maps | Team of 3

Winner
IEEE Bio-Imaging Contest | Apr '13
Breast Cancer cell segementation in given image dataset | Team of 2

State Topper
ALOHA Mental Arithmetic Competition | Oct '07

Runners-up
Intra-University Programming Contest | Team of 2 | Sept '13

First Prize
Academic Excellence in school | Mar '11

State Rank : 7th
State Science Talent Search Examination | Jun '09

EXPERIENCE

SOCIALCOPS | Data Engineering Intern

May '15 – Jul '15 | New Delhi

Development
- Developed a Python utility on top of PyDrive library for synchronized and automatic upload of data to Google Drive
- Developed RESTful API endpoints for an entity recognition engine which facilitates natural language querying and fuzzy search

Data Parsing
- Engineered parallel and distributed web-scraping and parsing architectures for obtaining open data (~815 M rows)

DevOps
- Wrote shell scripts to deploy web-scrapers and manage states across multiple remote servers and hosts from a single machine

PROJECTS

INVENTORY MANAGEMENT SYSTEM

The LNM Institute of Information Technology   Feb '15 - Apr '15
- Engineered a basic application with a strong RESTful back-end architecture for managing college inventory and complaints in a team of 4
- I developed the API service endpoints for inventory-related use cases

FEEDBACK MANAGEMENT PORTAL

The LNM Institute of Information Technology   Oct '14 - Nov '14
- Designed and developed a web-based student feedback portal in a team of 2
- I developed the front-end functionality using JSP

PORTABLE REAL-TIME HEART RHYTHM MONITOR

Indian Institute of Technology, Delhi   May '14 - Jul '14
- Prototyped a 3-probe Electrocardiograph using low precision circuitry, thereby bringing down the cost of preliminary cardiovascular analysis to 1000 INR

TECHNICAL SKILLS

Languages	C/C++, Java, Python
Web	HTML5/CSS3, JavaScript, Node.js, Selenium (familiar)
Frameworks	Spring, Hibernate ORM, Apache Maven, Scrapy
Databases	MongoDB, MySQL
Tools	Git, Shell Scripting, MATLAB, ElasticSearch, Android (familiar)
Platforms	GNU/Linux, Windows

ACTIVITIES

- **Teaching Assistant** | Object-Oriented Paradigm | Jan '15 - Apr '15
- **Assistant Coordinator** | Cybros (CS Club) | Apr '15 - Present
- **Event Coordinator** | Fix the Bug | Plinth '15
- **Content Curator** | 4 Intra-University Programming Contests
- **Active Member** | Cybros | Jun '13 - Mar '15
- **Student Mentor** | Counselling Cell | Jun '13 - Apr '15