



Subrata Ghosh
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Education

Examination	University/Board	Institute	Year	CGPA/%
Post-Graduation	IIT Hyderabad	IIT Hyderabad	2017	7.01
Graduation	MAKAUT	NIT	2015	7.79
Intermediate	WBBSE	KSSV	2010	62.00
SSC	WBCHSE	KSV	2008	67.75

Achievements

- Secured **All India Rank 80** among 1.8 lakh students in GATE-2015 exam in CS & IT branch.
- Secured **second place** in coding competition conducted during the college fest at NIT.
- Secured 396th place among 3211 in “BlackRock CodeSprint” online coding competition
- Secured 730th place among 5412 in “Week of Code - 20” online coding competition
- Secured **3rd place** in 100 mtr. Running & **2nd place** in Long Jump & **2nd place** in shot put in Inter-school Sports Competition

Work Experience

IIT Hyderabad (www.iith.ac.in) - Teaching Assistant for courses Python, C++ (Aug'15 - Nov'15) & (Jan'16 - Apr'16)

- Worked with Dr Subrahmanyam Kalyanasundaram and Dr Antony Franklin as a teaching assistant.
- Helped in designing the course structure, assignments and in evaluations of projects.

Technical Proficiency

- **Languages**- C, C++, Java, Python, HTML, CSS, JavaScript, VB, PHP, ASP.NET, SQL.
- **Technologies/Frameworks** - Web, HADOOP

Projects

Finding top-k features from product reviews Guide: Dr Manish Singh, CSE Dept., IIT Hyderabad (Sep'15 - Nov'15)

- The idea is to develop a systematic and user friendly tool which analyzes thousands and lakh of customer reviews in various e-commerce websites and present them to the user in a way they want, so that it can help in good decision making about a product before buying.
- Worked in a team of 4 to develop on HTML, CSS, JavaScript, Python, NLTK, MySQL.

Keyword Search for Facebook pages Guide: Dr Manish Singh, CSE Dept., IIT Hyderabad (Sep'15 - Nov'15)

- Worked in a team of 4 to create a search engine for Facebook page so that users can search across the all the posts of a specific Facebook public page
- Developed a new algorithm to rank the obtained search results by considering likes ,comments ,shares count of a post along with document similarity

Anomaly Detection in crowded scenes Guide: Dr C Krishna Mohan, CSE Dept., IIT Hyderabad (Jan'16-April'16)

- Developed a system to detect anomalies in the crowded scenes by modeling the scenes with mixture of dynamic textures
- Code is written in C++

Online Fellowship Form Guide: Dr Antony Franklin, CSE Dept., IIT Hyderabad (Jan'16-April'16)

- Developed Web site through which all IIT Hyderabad students can submit their stipend form online
- Worked in a team of 2 to develop frontend on HTML, CSS, JavaScript and backend on JSP, MySQL

Service Chaining Using SDN Guide: Dr Kotaro Katoka, CSE Dept., IIT Hyderabad (Sep'15 - Nov'15)

- Worked in a team of 4 to implement service chaining protocol using software defined networking
- We used Ruby which is a python based technology to implement it

Online Registration System (ORS) Guide: Asst Prof Ananya Banerjee, CSE Dept., NIT (Jan'14 –Apr'14)

- Worked in a team of 2 to develop a system that provides for students the option to register, adding and/or dropping courses.
- To develop we used frontend on HTML, CSS, JavaScript and backend on PHP, MySQL.

Online Examination System (OES) Guide: Asst Prof Anukul Maity, CSE Dept., NIT (Jan'14 –Apr'14)

- Worked in a team of 4 to develop a system that provide all the features that an Examination System must have.
- To develop we used frontend on HTML, CSS, JavaScript and backend on ASP.NET, MSSQL

Research Work

- I am working on a Problem Called **Detecting Stance in Tweets** under the guidance of **Dr Manish Singh ,Ph.D from University of Michigan Ann Arbor**
- My Research area includes Big Data Analytics and Data Mining

Key Courses Taken

- Software engineering
- Topics in Databases
- Advanced Computer networks
- Advanced Data structures
- Soft computing
- Concurrency Control in Transactional Systems
- Linear Optimization
- Software Technologies

