RITEEK SRIVASTAV

UNDERGRADUATE COMPUTER SCIENCE

Ph: +918561991389   Email: ug201310029@iitj.ac.in   Linkedin:riteek-srivastav-b2749595   Home: riteek-home

Education

Year	Degree	Institution	CGPA/%
2013-2017	Bachelor of Technology	Indian Institute of Technology, Jodhpur	8.19(up to 6th sem)
2010-2012	Intermediate	Central Hindu Boys School, BHU	85%
2010	Matriculation	Dayawati Modi Academy, Varanasi	8.2

Achievements

- Got **Team Rank 265** in **ACM-ICPC 2015** Chennai Site Online Round [2nd in College]
- Secured **177**th rank out of 2281 participants in **Snapdeal Hackathon 2015**
- Got rank **321** out of 4843 participants in **CodeStorm 2015**
- Secured **26**th rank in Uttar Pradesh State Engineering Examination (**UPSEE**)
- Secured **3396** ranking **JEE-Advanced 2013** among 1.4 million candidates.

Internships

Qbeeko Lab Bangalore *[May 2015-July 2015]*	• Worked on a flagship application YellowAnt, and implemented the application's machine learning module (Markov Model) and different other algorithms in python which were helpful in command prediction from given sequences of commands. • Developed chat application using Nodejs and HTML with the feature of chat history for the new user.
TCS Innovation Lab Kolkata *[May 2016-July 2016]*	• *Tele Rehabilitation (Anirudh Sinha, IEEE Senior Member)* Computed the transformation matrix for transforming the data form Sensor Coordinates to Kinect Coordinates. • *Measurement of mental workload of learners from Galvanic Skin Conductance*: Analyzed the data from censors and designed mathematical formula for the feature selection and for final score computation.

Projects

Font Detection *[Dr. Gaurav Harit]*	• Used Caffe framework and its alexnet model for the feature extraction of the dataset. • Along with standard data-set we created our own data-set from a given document written in different fonts. • For the classification we used SVM classifier and observed the efficiency by changing its parameter.
E-Commerce Website *[Dr. Chiranjoy Chattopadhyay]*	• Designed a portal using Php, MySql, HTML and CSS for the record of store and purchase of goods in the institute. • The portal supports user accounts, admin account, user cart and purchase history. • Testing was done by 10-12 people concurrently
Process Scheduler *[Dr. Gaurav Harit]*	• Simulated a CPU scheduler in C++. • Analyzed the performance of FCFS, SJF, Priority Scheduling, Round Robin based scheduling using mutex and fork system call.
Sleeping Barber Problem *[Dr. Gaurav Harit]*	• Implemented the classical IPC and synchronization problem using C++. • Used condition variable for synchronization among multithread and to avoid race case. • Used semaphore for synchronization among multiple processes.
Selective Text Extraction *[Dr. Gaurav Bhatnagar]*	• Detection and extraction of manually underlined text from a document image using image processing techniques. • Accumulator cell method was used for the detection of digital straightness of manual underline. • Algorithm, I designed works well for touched and untouched underlines.

Relevant Courses

Data Structure and algorithms	Computer Networks	Principle of database and Management	Deep Learning*	Operating System
Algorithm Design and Analysis	Software Engineering	Object Oriented Design and Analysis	Linear Algebra	*Ongoing

Technical Skills

Programming Skills	C, C++, Python(Machine learning), Php(Basics), MySql(Basics), HTML, CSS, Nodejs
Operating System	Windows, Linux based system
Version Control	Git
Tools and Frameworks	Rational Rose(UML), Django(Basics), Node.js, Matlab

Position of Responsibilities

Pronite Head (IGNUS'16)	• Led the team of 15 to ensure smooth functioning of activities promotions and marketing. • Increased the budget of pronite from 1.25 million to 2.17 million INR. • Organized the concert of KK and handled the crowd of around 7000 people.
Department Head (Office of Student Placement)	• Leading 2 tier with internship coordinators and placement cell members. • Involved in various official decisions and responsible for smooth conductance of placement and internship process
Treasurer (Cultural Society)	• Managed the budget of 1 million INR. • Distributed the budget among the clubs and accounted for all the advance, reimbursement and invoices of various clubs of cultural society.