PRIYANK PATHAK

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EDUCATION

Year	Degree/Board	Institution	CPI (%)
2013-current	**B-Tech**, **Electrical Engineering and Major in CSE**	IIT Kanpur	**8.4/10.0**
2013	Class 12 : CBSE Board	Sunbeam Bhagwanpur, Varanasi	**93.8%**
2011	Class 10 : ICSE Board	St. John's School, DLW, Varanasi	**93.14%**

SCHOLASTIC ACHIEVEMENTS

- Received **Academic Excellence Award (awarded to top 7 percent)** for distinctive performance in the term 2013-14
- **Ranked 192** in **Kishore Vaigyanik Protsahan Yojana (KVPY)** in **2012-13**
- Achieved **All India Rank (AIR) 1597** in **JEE '13** out of 1,50,000 and secured **AIR 3457 in AIEEE**, with 99.75 percentile score
- Awarded **Donor scholarship** for distinguished performance in Electrical engineering **in 2014-15**
- **Ranked 104th B.Tech** and **6th B.Tech(Bio-Tech) in Uttar Pradesh State Entrance Exam 2013**
- **Scored perfect 10 pointer,** awarded branch change from Chemical Engineering to Electrical Engineering, among top 11 students to be awarded **Dual Major** in Computer Science

INTERNSHIP

- **Reliance Jio Cloud Computing**   *(May'16-Jul'16)*
  - Designed UI for system logs using Django framework and Angular Js, with all query performance based on MySQL database
  - Prepared Proof of Concept on eSign, using government and Adobe implementation for legal bounding
  - Coded with Java iText libraries for PDF signing involving multilevel CAs, cryptography, time stamps, CRLS, etc.
  - Formulated case study for secured way of generating authentic eSign for one time use and non-replication
  - Developed activity tracker for monitoring activities, using python (Django) and AngularJs, involving self-written APIs
  - Prepared case study for Druid Data Analytics. Set up Druid, Pivot and HDFS across different VMs and coordinated them
  - Tried Different UIs for query like Pivot and Caravan for implanting optimal working platform

KEY ACADEMIC PROJECTS

- **Networks and Operating System Semester Project**   *(**current semester)*
  - Developing a Lost and Found Portal within campus aiming to integrate social media and domestic webmail service.
  - Managing the live update and query feature using MySql database and python implementation for msmtp service.
  - Implementing a simulated OS to replicate all system calls and process scheduling using NachOS.
- **Defect Detection on Industrial pipe using MFL**   *(May'15-Jul'15)*
  - Inspected and submitted report on alternative better technologies regarding Magnetic Flux Leakage
  - Formulated in-depth case-study and presentation for Hall Sensor Model with respect to its circuit model
  - Categorized and characterized common industrial defects in an industrial pipe and presented it via self-written UI
- **Image processing and inventory management**   *(Dec'14)*
  - Case study of SURF technology to mark characteristic points and detect number of object for inventory management
  - Designed algorithms and coded them on MATLAB for counting the number of object in an image irrespective of all orientation, size, overlapping etc. using SURF descriptor points.
- **Algorithm Exam Scheduling Project**   *(** proposed for upcoming semester Dec'16)*
  - Submitted and accepted Project for upcoming winters for designing algorithm to schedule exams for the college students, based on numbers of students enrolled in the courses. (Still under discussion)

POSITIONS OF RESPONSIBILITY

- **Student Guide and Academic Mentor, Counseling Service**
  - Mentored 6 freshmen and ensured their smooth induction into the campus, along with their personal guidance
  - Worked in a three tier team with regular remedial classes for students facing problems in Electrodynamics
  - Provided academic assistance and one-to-one mentoring to academically deficient and probated students
- **Media and Publicity Senior Executive, Techkirti'15**
  - Part of 8 member team responsible for handling correspondence with print and digital media sponsors
  - Appointed as the Head coverage during the festival, managed Poets of the Fall Concert coverage arrangements along with a team of photographers, responsible for coverage of all events on all 4 days of the festival.

EXTRA-CURRICULAR ACTIVITIES

- **Active Sports person**, plays squash on a daily basis and have attended sports camp for the same in summers'14
- **Photography Enthusiast**: active photographer, often involved in photographic trips and coverage of events at campus
- Freelance video maker, editor and cinematographer, producing videos for campus entertainment and festivals.