

MANVEE
Computer Science And Engineering
Indian Institute Of Technology, Patna
DOB: 26 April, 1994

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IV Year (B.Tech)
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EDUCATION

Bachelor of Technology, Computer Science And Engineering **2012-2016(Expected)**
Indian Institute of Technology Patna (IIT Patna): Cumulative Grade Point Average: 8.66/10 **(Over 6 semesters)**
AISSCE, CBSE **2010**
D.A.V. Kapil Dev Public School: CGPA-10
AISSE, CBSE **2012**
D.P.S, Ranchi: 87.4
Secured All India Rank 3771 in IIT-JEE 2012, from among 5, 00, 000 Students (99.5 percentile)

PROJECTS

MANAGING MULTIHOP PATHS IN FOS PORTAL **[May,2015-July,2015]**

Manager: Sunil Godavarthi, Amazon Development Centre

- Third year summer internship project was with Amazon.
- Worked on front end and back end of FOS(Fulfillment Option Service) portal.
- Enabled end-user to display/edit the Amazon Fulfillment Network.
- Implemented additional routing mechanism for the company which helped in saving time and money for the supply chain.
- Used GWT for the front-end development.

ALGORITHMIC AND FUNCTIONAL OPTIMISATION OF POCKETSPHINX **[2014]**

Guide: Dr. Soumyajit Dey, Assistant professor, CSE Dept. IIT Kharagpur

- Summer internship project for Intel.
- Optimized the code written in C for voice recognition by multi-threading using OpenMP for thread generation.
- Worked on Intel VTune for profiling of various functions and kcache/grind for seeing function call.

PARTICLE SWARM OPTIMISATION BASED CLUSTERING **[ongoing]**

Guide: Dr. Sriparna Saha, Assistant professor, CSE Dept, IIT Patna

- Different methods for clustering are used; line symmetry, point symmetry and city blocks.
- Then the dataset is optimized through single objective Particle Swarm Optimization.

ONLINE ELECTION SYSTEM **[2014]**

Guide: Dr. Samrat Mondal, Assistant professor, CSE Dept. IIT Patna

- Developed an online election system prototype for a virtual country.
- Voters who don't have voter-id, need to register with UIDAI(primary key).
- Candidates too need to register and they have to upload some documents.
- Third user was Election Commission; it validated the information, candidature and managed election dates.
- Coded in PHP for the frontend and simple CSS and html was used for the backend.

BLOOD BANK SYSTEM **[2014]**

Guide: Dr. Papia Raj, Assistant professor, HSS Dept. IIT Patna

- Created an online blood bank system for IIT Patna. It provided blood related information to the user.
- User and donors can create account by providing the details.
- Coded front end part of the project.

POSITIONS OF RESPONSIBILITY

General Secretary: Girls' hostel **[2014-2015]**

- Worked as secretary of the Hostel council and ensured proper maintenance of the hostel premises
- Coordinated the activities of the other secretaries.
- Organized many events in girls' hostel.

Coordinator, Registration: ANWESHA, Techno-cultural fest **[2014-2015]**

- Developed software for maintaining the database of students registered, participants and money collected.
- Strengthened PR in various colleges of Patna for promotion and registration in the fest.

EXTRA-CURRICULAR ACTIVITIES

- Active participation in cultural events of college.
- Active member of Dramatics club in college. Participated in various skits and street plays.
- Organized events in college fests: Anwasha and Reverbrance

SOFTWARE SKILLS

- **Programming** : C, C++, Java, OpenMP, GWT, Python
- **Web Designing**: HTML, PHP, GWT
- **Operating Systems** : Linux, Windows