

**VYOM AGGARWAL**

Pre Final Year B.Tech Undergraduate  
Information Technology  
National Institute Of Technology Patna

+91-7543036718  
aggarwalvyom@gmail.com  
Linkedin.com/in/vyomaggarwal

Examination	College/University	Year	% Marks/CGPA
B.Tech, CSE (Till 5 <sup>th</sup> Sem)	National Institute of Technology, Patna	2015	8.48 / 10
AISSE (Class XII)	SILVER LINE SCHOOL	2013	89.20 %
AISSE (Class X)	SILVER LINE SCHOOL	2011	8.8 / 10

**OBJECTIVE**

To obtain a summer internship to explore my knowledge and practically implement my theoretical knowledge.

**PROJECT/INTERNSHIP**

COMPUTER NETWORK (MAY'15-JULY'15)	<ul style="list-style-type: none"> <li>• <b>Summer Research</b> Intern on “P2P Network Security” with “Omnet++” a simulation tool at <b>IIT PATNA</b></li> <li>• Guided by the teacher in charge <b>Dr. Somanath Tripathy</b> (HOD, CSE Department Indian Institute of Technology Patna)</li> </ul>
DATA GATHERING (JAN'15 – Present)	<ul style="list-style-type: none"> <li>• <b>PROJECT Work</b>, “Data Gathering using Wireless sensor network”.</li> <li>• Guided by Dr. Dinesh Dash (Asst. Professor, CSE Department NIT Patna.)</li> </ul>
WEB SERVERS (DEC'14-JAN'15)	<ul style="list-style-type: none"> <li>• <b>PROJECT Work</b>, setup a network infrastructure platform for any E-Business.</li> <li>• Project was completed under the complete guidance of <b>Dr. Swapan Purkait</b></li> </ul>
COLLEGE WEBSITE	<ul style="list-style-type: none"> <li>• Designed a Faculty recruitment portal for NIT,PATNA</li> <li>• Applying languages <b>PHP , JScript , MySQL , JQuery, CSS, HTML</b></li> </ul>
MESSENGER	<ul style="list-style-type: none"> <li>• <b>PROJECT Work</b> Implemented multiple client chat server using socket programming in java</li> <li>• Project was completed under the guidance of <b>Kumar Abhishek</b> (Asst. Professor NIT Patna)</li> </ul>
WINTER TRAINING	<ul style="list-style-type: none"> <li>• Completed a training on <b>Network Management and Ethical Hacking</b></li> <li>• Secured 1st merit rank in the course organized by Nettech Pvt. Ltd.</li> </ul>
LINUX	<ul style="list-style-type: none"> <li>• Participated in a Workshop on <b>LINUX Operating system</b> conducted by Cetpa InfoTech</li> </ul>

**SCHOLASTIC ACHIEVEMENTS**

ACM ICPC OLMPIAD	<ul style="list-style-type: none"> <li>• Selected to represent NIT PATNA at International Collegiate Programming Contest</li> <li>• <b>Secured 34<sup>th</sup> rank</b> in onsite round out of 1500 teams across India in the competition in 2015.</li> </ul>
CORONA'14	<ul style="list-style-type: none"> <li>• <b>National Level Programing</b> based <b>Algo-Z-Ripper</b> event conducted at NIT Patna in 2014</li> <li>• Stood <b>1 among 64 teams</b> participating across India in the contest</li> </ul>
NETWORKING MANAGEMENT	<ul style="list-style-type: none"> <li>• <b>Ranked No 1</b> from among 30 students participating across India in the training program'15</li> <li>• Performed <b>Exceptional</b> outstanding in <b>National level</b> program organised by <b>Nettech pvt. Ltd.</b></li> </ul>
WEB WEAVER	<ul style="list-style-type: none"> <li>• <b>Ranked 3<sup>rd</sup></b> in Web developing competition organised by Byte world society in 2016</li> <li>• The event was conducted under Techno-cultural fest'16 at NIT PATNA</li> </ul>
QUIZ COMPETITION	<ul style="list-style-type: none"> <li>• <b>Ranked 3<sup>rd</sup></b> in Quiz competition organised by Hindustan petroleum corp. Ltd.</li> <li>• Contest was conducted under “vigilance awareness week “program at NIT Patna.</li> </ul>
ROBOTICS CHALLENGE	<ul style="list-style-type: none"> <li>• <b>Ranked 3</b> in robotics challenge conducted by <b>EXE CLUB</b> under Corona'14 in 2014</li> <li>• Secured a <b>National rank</b> and <b>1 among 100</b> students from NIT , BIT , IIT in competition</li> </ul>
BUSINESS PLAN	<ul style="list-style-type: none"> <li>• <b>1 finalist among 20 teams</b> participating at <b>IIT KGP</b> for the Business plan event in 2015</li> <li>• The event was <b>sponsored</b> by the companies like <b>Nirvana , Excubator, Total Start</b></li> </ul>

TECHNICAL SKILLS	
OPERATING SYSTEM	<ul style="list-style-type: none"> <li>Windows , UNIX(RHEL 4)</li> </ul>
PROGRAMMING LANGUAGES	<ul style="list-style-type: none"> <li>C, C++, PL/SQL.</li> </ul>
SCRIPTING LANGUAGES	<ul style="list-style-type: none"> <li>HTML, CSS, PHP, JavaScript, JQuery.</li> </ul>
PACKAGES	<ul style="list-style-type: none"> <li>IDE, Xampp , Wamp, Eclipse, MS office, samba server.</li> </ul>
NETWORKING	<ul style="list-style-type: none"> <li>OMNET++, CISCO Packet, Protocol (TCP/IP, OLSR, AODV, PASTRY, CHORD), Routing, switching, network layers, LAN configuring, firewalls, TCP wraps.</li> </ul>
DATABASE	<ul style="list-style-type: none"> <li>MySQL, Oracle</li> </ul>
ADDITIONAL	<ul style="list-style-type: none"> <li>Adobe Photoshop.</li> </ul>

POSITION OF RESPONSIBILITY	
TRAINING & PLACEMENT	<ul style="list-style-type: none"> <li>Working at the post of <b>Training and Placement Coordinator</b>, NIT Patna</li> </ul>
MEMBER, EXE CLUB	<ul style="list-style-type: none"> <li>Selected from 200 students from CS, IT ,ME,CE,EE,EC background in 2014 at NIT Patna</li> <li>Tech. Club conducting major tech events at NIT Patna including Robotics, ethical Hacking, Algorithm, web services</li> </ul>
MEMBER SANKALP, NSS	<ul style="list-style-type: none"> <li>Utilize free time in teaching poor children from slum and poor families</li> <li><b>Sankalp</b> is a club involved in teaching activities for poor slum underprivileged children's, under <b>National Service Scheme (NSS)</b>.</li> </ul>
TECHNO-CULTURAL FEST	<ul style="list-style-type: none"> <li>Selected for the post of “<b>Event Co-ordinator</b>” at Techno-cultural fest, NIT Patna in 2016.</li> </ul>
COLLEGE AMBASSADOR	<ul style="list-style-type: none"> <li>College ambassador of <b>IIT BOMBAY</b> tech fest 2015-2016.</li> </ul>

EXTRA CURRICULAR ACTIVITIES	
MR. EVE	<ul style="list-style-type: none"> <li><b>Won</b> the tag of <b>MR. EVE</b> in a <b>Personality contest</b> organized by cultural society in 2014</li> <li>Selected from <b>600 students</b> of NIT PATNA during its cultural fest MELANGE'14</li> </ul>
SKIT COMPETITION	<ul style="list-style-type: none"> <li><b>Ranked 3<sup>rd</sup></b> in <b>National level</b> skit competition conducted by Techno-cultural society at NIT Patna in 2016</li> </ul>
PARLIAMENTARY DEBATE COMPETITION	<ul style="list-style-type: none"> <li>Qualified <b>2nd round</b> in <b>National level</b> competition conducted by Melange at NIT Patna in 2015</li> <li><b>1 among 30</b> students to be selected for competition from colleges across India in 2015</li> </ul>
INFERNO 6.0	<ul style="list-style-type: none"> <li>1 of the top 8 finalist in an <b>National level</b> adventure event organized by corona'14</li> <li>The event was <b>live telecasted</b> on the television channel.</li> </ul>
SOCIAL SERVICE	<ul style="list-style-type: none"> <li>Organised a <b>Blood Donation camp</b> under <b>National Service Scheme</b> at NIT Patna in 2014</li> </ul>
SCOUT GUIDE	<ul style="list-style-type: none"> <li>Showed high spirit in scout and guide camp organized in silver line school during Aug 2010.</li> </ul>

CORE COURSE	
MAJOR SUBJECT	<ul style="list-style-type: none"> <li>Data Structure and Algorithms, Object Oriented Methodology, Computer Architecture</li> <li>Web Technology, Database Management System, Operating System, Computer Networks</li> <li>Design analysis and Algorithms, Cloud Computing, Software Engineering.</li> </ul>
MINOR SUBJECT	<ul style="list-style-type: none"> <li>Calculus, linear Algebra, Differential Equations, Operation Research, Elements of Electronics</li> <li>Communication System, Discrete Mathematics, Science Society and Ethical Values</li> <li>Material Science and Technology, Chemical Science, Engineering Physics, Digital Electronics</li> </ul>