

Pradeep Chouhan

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Academic Qualifications

Year	Degree	Institute	CPI/%
2015 - 2019	Bachelor of Science(4yr), Chemistry	Indian Institute of Technology, Kanpur	6.4/10
2014	CBSE, Class XII	Jawahar Navodaya Vidyalaya, Bundi	81.2%
2012	CBSE, Class X	Jawahar Navodaya Vidyalaya, Ujjain	9.8/10

Scholastic Achievements

- Scored 94.6 percentile in **JEE Mains** exam, and cleared **JEE Advance** conducted by **IIT Bombay**. (2015)
- Got Awarded with laptop money under **Chhu Lenge Aasman** Scheme by **CM Madhyapradesh**. (2014)
- Achieved 84.71 percentile in **Problem Solving Assessment** conducted by **CBSE**. (2013)
- Became **Dakshana Scholar** by cracking **GDST** exam conducted by Pune based NGO **Dakshana Foundation** and facilitated by **Resonance, Kota** which provided free coaching for **JEE** Exam preparation. (2012)
- Qualified **NTSE** level 1 Exam conducted by **NCERT**.(2009)
- Selected in **JNVST** exam and got **free education** at **JNV Ujjain M.P.** (2007)

Skills

- **Programming Language** : C
- **Software Tools** : MS office, Chemdraw , Google Docs , Turnit.in.
- **Communication skills** : Good Correspondence Skills , Can speak English language.Have done MOOC course on Soft Skills and Personality development and Social Psychology.

Academic Projects

- **Study on health impact of particulate pollution in Delhi** (Jan'19-Apr'19)
(Course Project CE213A- Introduction to Environmental Science) Team of three
 - Studied the research work done by prof. Sarath K. Guttikunda who used ATMoS dispersion model and local metro logy method to estimate health impacts in terms of premature mortality and morbidity.
 - Presented about PM2.5, PM10, Ultra fine(0.1um) particles concentration in Delhi and their detrimental effects on vulnerable people.
- **Estimation of pesticide exposure on farm workers** (Jul'18-Nov'18)
(Course Project CE766A- Agriculture Sustainability and Climate Change) Team of five
 - Studied papers involving epidemiological studies on occupationally exposed population i.e. farmers and people involved in packaging and circulation.
 - Presented about commonly used pesticide DDT and Organophosphate pesticides as a better alternative.
 - Learned about organic farming and initiatives of Govt of India to reduce use of detrimental pesticides.
- **Tyrosinase enzyme review** (Jan'18-Apr'18)
(Under Graduate Project, mentored by Prof.R. Gurunath , Professor, Department of CHM, IITK)
 - Analyzed the structural data available for Human Tyrosinase enzyme on **RCSB** protein data bank website.
 - Studied the literature for Human Tyrosinase enzyme to mimic its copper containing active site .
- **Catapult Machine** (Jan'17-Apr'17)
(Course Project TA201- Introduction to Manufacturing proc) Team of five
 - Designed a model showing an ancient mechanism used in military machine,worked by a lever and ropes for hurling large stone during war time.
 - Worked in a team of 5 to fabricate it using manufacturing processes like casting, welding, grinding, brazing and sheet metal forming.
- **Spirograph Machine** (Jan'16-Apr'16)
(Course Project TA202A - Fundamentals of Manufacturing process-II) Team of five
 - Manufactured a working model which produce desired geometric pattern by rotating handle of machine. Model demonstrated the industrial methods of transferring vertical motion to horizontal motion and vice-versa.
 - We used various manufacturing technologies like threading, lathe machine, drilling machine and learned coding implemented in automatic lathe, drilling machines.

Extra Curricular Activities

- Played Cluster level volleyball competition at **JNV Rajgadh** and **Regional Games** recognized by **S.G.F.I.** at **JNV Rajnandgaon, Chhattisgarh.** (2011)
- Represented **under-17** volleyball team of **Indore Cluster** as a Captain at **Regional Games** recognised by **S.G.F.I.** at **JNV Vidisha, Bhopal.**(2010)
 - Navodaya vidyalaya samiti has divided its network in different regions and further region was divided in cluster and then districts.
 - Learned sportsmanship and teamwork, and Got a chance to explore southern India at very young age.
- Represented Hall 2 volleyball team of IITK as Captain in **Freshers Inferno** conducted by **Student Gymkhana, IIT Kanpur**, and won the trophy for our pool. (2015)
- Achieved **first position** in **PE Intramurals** conducted by **Physical education section IIT Kanpur.**(2015)
- Participated in **Ethical hacking** workshop during Techkriti, IIT Kanpur
 - Attended the lecture of Indian Ethical hacker **Mr. Saket Modi** .
 - Learned that permanent internet security is an illusion and best method of internet security is not doing anything wrong on internet.

Short-term Goals And Strengths

- Work for an organization which provides me an opportunity to improve my skills and knowledge to grow, communication skills in particular.
- Hard working, Responsible, Resilient, personal integrity.

Hobbies and Interests

- Vocabulary building, Reading Articles and blogs.
- Sports - Swimming , Volleyball

Personal data

- Date of birth - 28/09/1995 , Age - 24 years
- Language known - Hindi and English
- Current location - Indore, Madhya Pradesh

Selected Courses

• Chemistry Department

CHM322A-Physical Chemistry -II	CSO202A-Atoms, Molecules and Photons
CHM342A-Inorganic Chemistry -II	ESO206A-Principles of Biotechnology
CHM402A-Basic Organic Chemistry-II	CE213A-Environmental Chemistry
ESO201A-Thermodynamics	CHM361A-Chemistry communication skills

• Physics and Mathematics

Mechanics and Electrodynamics	Coding - Fundamentals of Computing
MTH101A-Mathematics-1	MTH102A-linear algebra and ODE

• Electives and MOOC Courses

ECO101A Introduction to Economics	PSY454A Psychology of Adjustment
SOC470A Sociology of Development	PSY151A Social Psychology
SOC473A Indian Society and Culture	ESO205A- Introduction to Bio- Technology