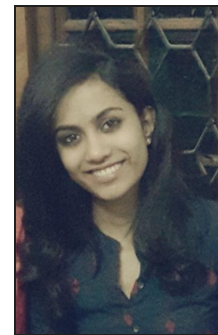


Roshni J Chethalen

4th year BS-MS, Chemical Sciences Student

Nadia, West Bengal, India | 8017386078 | rjc14ms097@iiserkol.ac.in



WORK EXPERIENCE

Summer Intern May 26, 2017 - July 19, 2017

Indian Institute of Technology, Madras

Synthetic methodology for the preparation of glucose based epoxides for the synthesis of polyethers.

Summer Intern May 24, 2016 - July 10, 2016

Indian Institute of Technology, Bombay

Basic research on inorganic chemistry and material sciences

EDUCATION

Integrated BS-MS in Chemical Sciences 2014 - Present

[Indian Institute of Science Education and Research](#)

Pursuing 9th semester (out of 10)

Sem 4 : CGPA - 8.55/10

Sem 5 : SGPA - 8.43/10

Sem 6 : SGPA - 9.43/10

Sem 7 : SGPA - 8.6/10

Sem 8 : SGPA - 9.33/10

Higher Secondary School 2012 - 2014

Viswajyothi CMI Public School, Angamaly, Kerala, India

Graduated as the topper of Bio-Math department with 95.8% in the All India Higher Secondary School Examination conducted by Central Board of Secondary Education, Delhi.

Secondary School 2002 - 2012

Jnanodaya Central School, Kalady, India

Graduated the exam held by Indian Certificate of Secondary Education conducted by Council for the Indian School Certificate Examinations with 92.1% as the School Topper.

ACHIEVEMENTS

- Vice President, RSC Student Chapter, IISER KOLKATA.
- Second Rank Holder, Department of Chemical Sciences, Spring Semester 2017, IISER KOLKATA.
- Innovation in Science Pursuit for Inspired Research (INSPIRE-SHE) Scholarship. For motivated undergraduate science students by Department of Science Technology, India.

THEORETICAL EXPERIENCES

Chemical Sciences :

Chemistry of Transition Elements

Physical Organic Chemistry

Group theory and Spectroscopy

Organic Synthesis

Inorganic Chemistry

Stereochemistry and asymmetric synthesis

Quantum Chemistry

Fundamentals of Spectroscopy

Synthesis and Characterization laboratory

Reaction mechanisms in organic chemistry

Biochemistry

Biogeochemical Cycles

Life Sciences:

Evolutionary biology

Enzymology

Spectrophotometric estimation of DNA

Bradford's assay for protein concentration

Molecular genetics

Mathematical Sciences:

Basic mathematics in college like Taylor series, Greens theorem, Stokes theorem, Divergence theorem, Clairauts equation

Physical Sciences:

Basic optics, quantum mechanics, classical mechanics.

SKILLS

Fast reading and grasping



- Awarded INSPIRE Scholarship by virtue of belonging to the top 1% students who appeared at the Higher Secondary Examination, March 2014.
- Bio - Math topper in higher Secondary School. (CBSE)
- School topper in Secondary School.(ICSE)
- Participated in All Kerala ICSE quiz competition.
- Presented a seminar on lanthanide complexes changing their oxidation states during internship at IIT, Bombay.

Can grasp the facts very quickly and memorize them.

Responsible



I will finish the work assigned to me no matter what.

Agility and adaptability



Embrace the changes and will learn from my mistakes.

Social responsibility and ethics



Ready to help anyone using all the potentials God had given me and very particular about moral values .

Programming



BlueJ Java, Python

Spectroscopic techniques



UV-Vis, IR, NMR