

Siddhant Prabhu

<http://siddhantprabhu.weebly.com>
sido8@u.northwestern.edu | 475.218.9390

EDUCATION

NORTHWESTERN UNIVERSITY

MS IN BIOTECHNOLOGY

Expected June 2018 | Evanston, IL
Cum. GPA: 3.56/4.0

INSTITUTE OF CHEMICAL TECHNOLOGY

BS IN CHEMICAL ENGINEERING

May 2016 | Mumbai, India
Conc. in Pharmaceutical Technology
Cum. GPA: 3.83 / 4.0

LINKS

LinkedIn:// [siddhantprabhu](#)
Facebook:// [siddhantprabhu](#)

COURSEWORK

GRADUATE

Advanced Molecular Biology
Global Health and Biotechnology
Technology Commercialization
Biotechnology Laboratory

UNDERGRADUATE

Design and Analysis of Experiments
Chemical Reaction Engineering
Validation and Regulatory Requirements
Project Economics
Pharmaceutical Chemistry

SKILLS

LABORATORY

Over 1 year:

Chromatography • Spectroscopy •
Differential Scanning Calorimetry

Less than 1 year:

GC-MS • PCR • Mammalian Cell Culture
• Gel Electrophoresis

Familiar:

ELISA • Bio-reactor Operation

COMPUTER

MS-Office • iWork • R • iMovie

LANGUAGES

Native Proficiency:

English • Hindi • Marathi • Gujarati

Elementary Proficiency:

Chinese (Mandarin) • French

EXPERIENCE

SANJEEVANI S3 | PROJECT ASSOCIATE

April 2016 - July 2016 | Mumbai, India

- Advised housing societies and small businesses in Mumbai, India to optimize their waste management systems.
- Provided complete waste disposal solutions based on analysis of types of waste produced, leading to zero waste output from the premises.
- Trained staff at the organization to segregate waste and use waste disposal system leading to improved efficiency of process.

RECKITT BENCKISER INDIA | RESEARCH AND DEVELOPMENT INTERN

May 2015 - June 2015 | Gurgaon, India

- Analyzed consumer data to determine optimal marketing strategies.
- Proposed a cost effective formula for "Dettol" Liquid Soap leading to annual savings of 120,000 dollars.
- Performed experiments to scale-up manufacturing technology of new formula.

RESEARCH

TYO LABORATORY | GRADUATE RESEARCH ASSISTANT

December 2016 - Present | Evanston, IL

Chemical synthesis of compounds is inefficient and involves the usage of hazardous reagents that pollute the environment. Using enzymes obtained from E.coli in order to synthesize bio-fuels and pharmaceuticals in an efficient and sustainable manner.

BIOTECHNOLOGY LAB | CELL CULTURE INTERN

February 2017 - Present | Evanston, IL

Working with HEK 293 cells to optimize cell culture protocols for the laboratory class in the fall of 2017 in the Master of Biotechnology Program.

PRV RESEARCH GROUP | UNDERGRADUATE RESEARCHER

January 2016 - April 2016 | Mumbai, India

Tamoxifen citrate has to be taken upto 3 times a day following removal of tumor in Breast cancer. This causes adverse side effects to the patient. Developed a sustained release formulation for tamoxifen citrate by encapsulating it in a beta-cyclodextrin hydrogel leading to reduction of dosing frequency.

NANOMEDICINE RESEARCH GROUP | RESEARCH INTERN

May 2014 - May 2015 | Mumbai, India

Chitosan, which is obtained from crab shells is known to have anti-fungal activity. Designed and synthesized nano-composites of Zinc oxide and chitosan for synergistic anti-fungal activity for use in cosmetic products.

LEADERSHIP EXPERIENCE

THE CHEMICAL WEB | PRESIDENT

June 2015 - June 2016 | Mumbai, India

Led a campus organization aimed at counseling students towards careers in the Chemical industry. Led a team of 20 students towards organizing workshops, industrial visits and conferences.

AWARDS

2016 1 out of 2500 students Best Student, Institute of Chemical Technology