



# Kaling Vikram Singh

**Date of birth:** 30/09/2001 | **Nationality:** Indian | **Phone number:**

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**Address:** Bhagirathi Hostel NISER campus, Near Tehsildar Office, 752050, Jatani, India (Work)

## EDUCATION AND TRAINING

2020 – CURRENT Jatani, India

**INTEGRATED M.SC. IN PHYSICAL SCIENCES** National Institute of Science Education and Research

- Currently studying in NISER and pursuing Integrated MSc in Physical Sciences from the institute in third year of the program.
- Field of study include Quantum Mechanics, Electronics, Classical Mechanics, Optics, Mathematical methods, Electrodynamics.
- Done experimentation in electronics and have basic ideas of semiconductor devices, counters, flip flops etc.
- Covered topics like Hamilton equations, angular momentum and Jacobi Equations. Finally in electrodynamics, covered electromagnetism, fields in matter and induction.
- Did courses in computer sciences such as automata theory, algorithms, and programming in Python.
- Also done course in biology, mathematics and chemistry as part of curriculum.
- Current CGPA is 8.77.

**Address** Tehsildar Office,, Khurda, Pipli, Jatani, India | **Website** <https://www.niser.ac.in/> |

**Field of study** Physics, Computer Science | **Final grade** 8.77

06/06/2022 – 15/08/2022 Jatni, India

**SUMMER INTERNSHIP** Indian Institute of technology, Bhubaneswar

- Developed anti-corrosive coatings on copper substrates using graphene oxide suspensions through electrophoretic deposition.
- Did lab work and analyzed substrates using different characterization techniques such as SEM, XRD etc.
- Developed showed reduction in rates upto 3 times and established a direct correlation between hydrophobicity and corrosion rates

**Address** Argul - Jatni Rd, Kansapada, Jatni, India, Jatni, India | **Website** <https://www.iitbbs.ac.in/> |

**Field of study** Material Science, Physics

**Links** <https://drive.google.com/file/d/19R2f-xXdglGwu5V-oVyCgRBibMC1YWjj/view> | <https://drive.google.com/file/d/19R2f-xXdglGwu5V-oVyCgRBibMC1YWjj/view>

2017 – 2020 Bhubaneswar, India

**ALL INDIA SENIOR SCHOOL CERTIFICATE EXAMINATION** DAV Public School Chandrasekharpur

- Pursued my Intermediate studies in Physics, Mathematics, Chemistry, English and Physical Education.
- Final Grade point in all the subject was 10 and a final score of 95.4% in the final examination.

**Address** Chandrasekharpur, P/O,, Sailashree Vihar,, Bhubaneswar, India | **Website** <http://davcsp.org/> |

**Field of study** Physical Education | **Final grade** 10

**Link** <https://drive.google.com/file/d/1DApzcfiu7GpurR6AyWgNacp292otbUq/view?usp=sharing>

2016 – 2018 Lucknow

**ALL INDIA SECONDARY SCHOOL EXAMINATION** Delhi Public School

- The subjects learned during my secondary education included Mathematics, Science, English, Social Science and Hindi.
- Scored A1 Grades in all the subjects and a cumulative grade point of 10. Had a overall 94.6% in the finals

**Address** Sector-II, Raksha Kand, Raibareli Rd, Eldeco Colony, Lucknow | **Website** <http://www.dpseldeco.com/> | **Final grade** 10

**Link** [https://drive.google.com/file/d/1DMscEjd1ByTgCMQIAN3eXQyNdpr5\\_iTm/view?usp=sharing](https://drive.google.com/file/d/1DMscEjd1ByTgCMQIAN3eXQyNdpr5_iTm/view?usp=sharing)

- Attended summer camp in IOMA after qualifying Junior Mathematics and among top 100 students in state.
- Learned about number theory, Geometry and other mathematics related topics.

**Address** Andharua , Bhubaneswar , India | **Website** <https://iomaorissa.ac.in/> | **Field of study** Mathematics

**Link** [https://drive.google.com/file/d/1t4VZ5Jks5u7J3E7dqWpWq\\_RzEgSPPazv/view?usp=sharing](https://drive.google.com/file/d/1t4VZ5Jks5u7J3E7dqWpWq_RzEgSPPazv/view?usp=sharing)

## WORK EXPERIENCE

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26/12/2016 – 30/12/2016 VIIT

### REPRESENTED ODISHA AS CHILD SCIENTIST AT NCSC

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- Represented Odisha state in the National Children Science Congress at VIIT Baramati.
- Project titled "Pond Bins" that can used to clean oceans, ponds and other water bodies.

**Link** <https://drive.google.com/file/d/11JKj-U-eFbfeGxTxQwORg7xYG4FnNVej/view?usp=sharing>

2014 – 2016 Bhubaneswar, India

### NCC CADET NATIONAL CADET CORPS

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- NCC commander of the school platoon and participated in various NCC camps.
- Was awarded the NCC certificate in the year 2017.

**Link** [https://drive.google.com/file/d/1eM6MYSxl8B70iLsx-l2O\\_WH-l3gOs-wG/view?usp=sharing](https://drive.google.com/file/d/1eM6MYSxl8B70iLsx-l2O_WH-l3gOs-wG/view?usp=sharing)

## DIGITAL SKILLS

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LaTex | C++ Programming | Python Programming

## LANGUAGE SKILLS

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Mother tongue(s): **HINDI**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ODIA</b>	C2	B2	C2	C2	B2
<b>ENGLISH</b>	C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## ADDITIONAL INFORMATION

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### REFERENCES

**Om Prakash Mohapatra**

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Professor in high school

Mob no: [REDACTED]