

# Rohit Goswami

House No. 646, 35th Lane

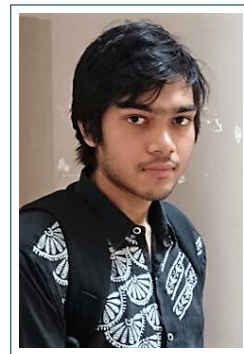
IIT Kanpur, 208016

+91 9935135006

r95g10@gmail.com

haozeke

<http://haozeke.github.io>



*“An unproblematic state is a state without creative thought. Its other name is Death.”*  
– David Deutsch

## Personal Data

Name Rohit Goswami

Date Of Birth 10.08.1995

## Education

2014–PRESENT **B.Tech. Chemical Engineering**, *Harcourt Butler Technical University, Kanpur, India.*

2011–2013 **Intermediate (AISSCE)**, *Delhi Public School Kalyanpur, Kanpur, India.*

87.2% Central Board of Secondary Education (CBSE)

2009–2011 **High School (AISSE)**, *Delhi Public School Kalyanpur, Kanpur, India.*

9.8 Cumulative Grade Point Average (CGPA) in Central Board of Secondary Education (CBSE)

## Experience

### Internships

SUMMER 2016 **Dr. Rajarshi Chakrabarti**, *Indian Institute Of Technology Bombay*, Research Intern.

Retooled a server with ArchLinux and also simulated patchy colloids (Janus Particles).

PROJECT REPORT: Computational Survey of Coarse Grained Soft Matter Molecular Dynamics Simulations

### Volunteer Work

2017–PRESENT **Interface 2017**, *Harcourt Butler Technical University, Kanpur*, Technical Cell Head.

Organizing and inspiring students to work towards the success of the Department's techno-cultural fest and seminars.

2014–2016 **The Curiosity Magazine**, *Harcourt Butler Technical University, Kanpur*, Editor-in-Chief.

Managed a diverse team of student content writers and also later typeset a spin-off multi-lingual newsletter in X<sub>Y</sub>L<sup>A</sup>T<sub>E</sub>X.

## Technical Skills

### Programming Languages

EXPERIENCED	C++, C, Tcl	FAMILIAR	Ruby, Julia, Python, Shell (zsh, bash), Java, CSS, JS, HTML, Sass
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### Projects

EXPERIENCED	Android (Cyanogen, AOSP), Web-Design (static), ArchLinux	FAMILIAR	Linux Kernel (Android)
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### Simulation Projects

EXPERIENCED	ESPResSo (Extensible Simulation Package for Research on Soft matter), LAMMPS (Large-scale Atomic/Molecular Massively Parallel Simulator)	FAMILIAR	OpenFOAM, GROMACS (GRoningen MACHine for Chemical Simulations), VMD (Visual Molecular Dynamics)
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### Tools

EXPERIENCED	X <sub>Y</sub> L <sup>A</sup> T <sub>E</sub> X, Git (version control), tmux, ssh, Vim, Sublime Text Editor 3, gnu-plot, gadfly, bspwm (tiling window manager), mosh, babun	FAMILIAR	MATLAB (matrix laboratory), AWS (Amazon Web Services), moltemplate, jekyll, middleman, grunt, gulp, Frameworks (Bourbon, Skeleton, neat), Continuous Integration Services (Wercker, Travis CI), Markup Languages (Textile, HAML, Jade(pug)), Office-Suites (MS, OpenOffice, LibreOffice)
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### Operating Systems

PREFERRED	ArchLinux	EXPERIENCED	Windows (95, 2000, XP, 7, 8, 10), MacOS (10.7, 10.11, 10.12), Android (1.5, 1.6, 2.2.*, 2.3.*, 4.0.*, 4.4.*, 5.0.*, 6.0.*, 7.* ), Linux Distro (Ubuntu, Sabyon, Puppy, Manjaro, Debian, Red Hat (CentOS))
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### Opensource Contributions

MANTAINED	PixN ROM & Kernel (AOSP based rom for the Xperia Z5)	REVIEWED	LineageOS
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## Interests

### Chemical Engineering

EXPERIENCED	Thermodynamics, Transport Phenomena, Mass Transfer, Heat Transfer, Molecular Dynamics (simulations)	INTERESTED	Chemical Reaction Engineering (Statistical Interpretation), Process Control
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### Physics

FAMILIAR	Statistical Thermodynamics	INTERESTED	Quantum Phenomena (Computing, Thermodynamics), Phase Transitions (Thermodynamics, Simulations), Chaos Theory, Spectroscopy, Entropy, Information Theory
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## Affiliations & Accolades

### Memberships

2009–PRESENT	<b>XDA Developers</b> , <i>Senior Member</i> .
2015–PRESENT	<b>IEEE (Institute of Electrical and Electronics Engineers)</b> , <i>Student Member</i> .
2015–PRESENT	<b>APS (American Physical Society)</b> , <i>Student Undergraduate Member</i> .
2015–PRESENT	<b>OSA (Optical Society of America)</b> , <i>Student Member</i> .
2015–PRESENT	<b>IOP (Institute of Physics)</b> , <i>Student Member</i> .
2015–PRESENT	<b>AICHE (American Institute Of Chemical Engineers)</b> , <i>Student Member</i> .
2017–PRESENT	<b>IICHE (Indian Institute Of Chemical Engineers)</b> , <i>Student Member</i> .

### Awards

DECEMBER 2016	<b>Photonics-2016</b> , <i>Indian Institute Of Technology Kanpur</i> , Springer Best Student Paper Award, Nonlinear-Optics Session.
2014–2015	<b>IITG Zephyr Creative Writing</b> , <i>Indian Institute Of Technology Guwahati</i> , First Prize.
2014–2015	<b>Antaragni IITK-MUN GA-DISEC</b> , <i>Indian Institute Of Technology Kanpur</i> , Best Speaker.

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## Publications

### CONFERENCE PROCEEDINGS

R. Goswami and D. Goswami. “Quantum Distributed Computing with Shaped Laser Pulses.” In: *13th International Conference on Fiber Optics and Photonics* (2016). DOI: 10.1364/photonics.2016.w4c.3.