Rohit Goswami

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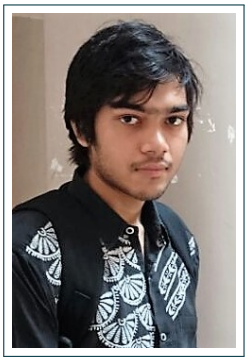
haozeke
http://haozeke.github.io



"An unproblematic state is a state without creative thought. It's 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 XƎLaTeX.

Technical Skills

Programming Languages

Experienced C++, C, Tcl

Familiar Ruby, Python, Shell (zsh, bash), Java, CSS, JS, HTML, Sass

Projects

Experienced Android (Cyanogen, AOSP), Web-Design (static), ArchLinux

Familiar Linux Kernel (Android)

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)

Tools

Experienced XɟLaTeX, Git (version control), tmux, ssh, Vim, Sublime Text Editor 3, gnuplot, 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)

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 Distros (Ubuntu, Sabyon, Puppy, Manjaro, Debian, Red Hat (CentOS))

Opensource Contributions

Mantained PixN ROM & Kernel (AOSP based rom for the Xperia Z5)

Reviewed LineageOS

Interests

Chemical Engineering

Experienced Thermodynamics, Transport Phenomena, Mass Transfer, Heat Transfer, Molecular Dynamics (simulations)

Interested Chemical Reaction Engineering (Statistical Interpretation), Process Control

Physics

Familiar Statistical Thermodynamics

Interested Quantum Phenomena (Computing, Thermodynamics), Phase Transitions (Thermodynamics, Simulations), Chaos Theory, Spectroscopy, Entropy, Information Theory

Affiliations & Accolades

Memberships

2009–present **XDA Developers**, *Senior Member*.

2015–present **IEEE (Institute of Electrical and Electronics Engineers)**, *Student Member*.

2015–present **APS (American Physical Society)**, *Student Undergraduate Member*.

2015–present **OSA (Optical Society of America)**, *Student Member*.

2015–present **IOP (Institute of Physics)**, *Student Member*.

2015–present **AICHE (American Institute Of Chemical Engineers)**, *Student Member*.

2017–present **IICHE (Indian Institute Of Chemical Engineers)**, *Student Member*.

Awards

December 2016 **Photonics-2016**, *Indian Institute Of Technology Kanpur*, Springer Best Student Paper Award, Nonlinear-Optics Session.

2014–2015 **IITG Zephyr Creative Writing**, *Indian Institute Of Technology Guwahati*, First Prize.

2014–2015 **Antaragni IITK-MUN GA-DISEC**, *Indian Institute Of Technology Kanpur*, Best Speaker.

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.