

# Nikeeta S. Chavan

Technician 'C',  
National Centre for Cell Science, NCMR, Pune

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*2.5+ years of overall experience in bioinformatics, NGS data analysis, UI and pipeline development.*



## Experience

### Technician 'C' | @National Centre for Cell Science, Pune

*June 2019 - Present*

- NCMR website development and testing for seamless service and order tracking with admin panel for management. (<http://210.212.161.138/>)
- NCMR services: Genome and amplicon sequence data analysis using open source software and databases.
- Database management of cultures deposited in NCMR.
- Metagenome analysis of microbial community from molasses for finding potential novel decolourizing microbes or fungi and development of gene catalogue.
- Microbiome analysis: Effect of heart failure (SHAM & TAC mouse models) on gut microbiome.

### Bioinformatics Analyst | @ Kovid BioAnalytics, Pune

*September 2017 – June 2019*

- Open-EMR: Customization and development of web applications for Open-EMR to easily analyse, view or manage patients' electronic medical records.
- Developed fully automated Variant Annotation Pipeline using python3 on AWS server using lambda functions. Integration of multiple Variant Annotation tools including SNPSift, VEP etc.

### Master's Project

- Virtual screening of small molecules to identify competitive inhibitors for *Leishmania donovani* Hypoxanthine-guanine phosphoribosyl transferase and Adenine phosphoribosyltransferase.

### Bachelor's Project

- Phytoremediation: use of Sunflower plants and Cabbage plants to extract mercury from contaminated soil.



## Achievements/Awards

- Kiran Girls scholarship by Persistent foundation, Pune.
- GNR scholarship (top 5), M.Sc. Bioinformatics.



## Personal info

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### LinkedIn:

[www.linkedin.com/in/nikeeta-chavan](http://www.linkedin.com/in/nikeeta-chavan)

**GitHub:** <https://github.com/nikeetac>



## Hard skills

**Bioinformatics:** NGS data analysis (genome, amplicon & metagenome), pipeline development & testing.

**Scripting:** Python, R, Perl, shell

**Web development:** HTML5, CSS3, PHP, CodeIgniter, Drupal, Ajax, JavaScript & jQuery.

**Database:** MySQL

**Operating system:** Linux & Windows

**AWS skills:** Used EC2, S3 & Lambda function



## Soft skills

Problem solving, Quick Learner  
Team Worker & Strong Work Ethics



## Education

**M.Sc. Bioinformatics (2015-17)**

Bioinformatics Centre, SPPU, Pune.

**B.Sc. Biotechnology (2012-15)**

Modern College, Shivajinagar, Pune.