ANAND KUMAR MAURYA

275-R, Maui Sugharpur, Gorakhpur, U.P., India.

(+48) 787017924 | anandmaurya@hotmail.com

SUMMARY

A bioinformatics data analyst with 3 years of expertise developing bioinformatics tools and pipelines for next-generation sequencing data analysis. I am currently pursuing a PhD in bioinformatics at Adam Mickiewicz University, Poland.

√	Expertise in the analysis of NGS data.	√	Demonstrated ability to learn new skills.
√	Experience in the development of storage, infrastructure, and analytic solutions for NGS data.	√	A hybrid bioinformatics analysis and web development skillset.

EXPERIENCE

Bioinformatics Analyst at **Medgenome Labs Pvt. Ltd.**, Bengaluru. [Apr 2016 - Sept 2018]

➢ Developed an in-house variant annotation database.
➢ Automated the in-house neo-epitope prioritization pipeline from somatic variants.
➢ Created a web application for automatic prioritization of neo-epitopes.
➢ Developed a QC dashboard web-app for NGS analysis.
➢ Worked on various WES, WGS, RNA seq and neo-epitope prediction related projects for clients.
➢ Publications*:*

   ● A machine learning approach to for accurate prediction of immunogenic peptides from somatic mutations. [under review]
   ● Majumder *et al.* "A Neoepitope Derived from a Novel Human Germline APC Gene Mutation in Familial Adenomatous Polyposis Shows Selective Immunogenicity." PLOS ONE 13, no. 9 (September 26, 2018): e0203845. https://doi.org/10.1371/journal.pone.0203845.

Bioinformatics Trainee at **Genotypic Technology Pvt. Ltd.**, Bengaluru. [Oct 2015 – Apr 2016]

➢ Updated and fine-tuned the in-house variant annotation pipeline.
➢ Performed comparative studies of variant calling tools.
➢ Analyzed clinical samples using in-house variant calling pipeline.

Project Trainee at **NIIT**, Allahabad. [May 2014 – Jul 2014]

➢ Hands-on experience in **Oracle Database 10g**
➢ Learned PL/SQL using Oracle SQLPlus

Project Trainee at **Sai's Biosciences Research Institute**, Chennai. [Dec 2010 – Jan 2011]

➢ Industrial training in Biotools and Databases.
➢ Hands-on experience in Accelrys Discovery Studio 2.5

SKILLS

Languages: Perl, Python, R, Bash, SQL, Javascript.

Frameworks: React.js (JavaScript), Django (Python), Django REST, Bootstrap (CSS).

Applications & Tools: Git, SVN, NextFlow.

EDUCATION

Doctor of Philosophy - PhD in Bioinformatics [2018 – 2022] [pursuing]
Adam Mickiewicz University, Poland.

Master of Technology in Bioinformatics [2013 – 2015]
Sam Higginbottom Institute of Agriculture, Technology and Sciences, Allahabad.

Bachelor of Technology in Bioinformatics [2008 - 2012]
Bharath University, Chennai.

REFERENCES

Dr. Ravishankar Bellampalli, Research Fellow, Clinical & Experimental Epilepsy
UCL Queen Square Institute of Neurology, Faculty of Brain Sciences.
Email: r.ravishankara@ucl.ac.uk
Phone: (+44) 7471014446

Mr Gautam Singh, Principal Scientist
Dr Lal PathLabs, India.
Email: kumar.gautam@lalpathlabs.com, er.gautam.singh@gmail.com
Phone: (+91) 7812916141