KOUSHIK BARDHAN

Bioinformatician | Developer | Data Analyst
Master of Science in Bioinformatics
Bachelor of Science in Zoology

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PROFILE SUMMARY

➢ I have completed my masters in Bioinformatics, from the University of North Bengal.
➢ Working in an interdisciplinary field allows me to learn new things and come into contact with new technologies, and I'm looking forward to use these acquired knowledges to actual fields of Research & Development.

ACADEMICS & EDUCATION

➢ **University of North Bengal**
Master of Science in Bioinformatics with **Grade A**
Dec 2021 – Aug 2023
Core Modules: Programming in R & Python; Genomics & Proteomics; Statistical Techniques; Molecular Biology & Biochemistry; Structural Bioinformatics, DBM systems; Data Mining & Machine Learning Techniques; Bioethics.

➢ **University of Gour Banga**
Bachelor of Science in Zoology (Hons) with **Grade A**
Jul 2018 – Sep 2021
Core Modules: Biostatistics, Bioinformatics, Biotechnology, Biochemistry, Molecular Biology, Industrial Microbiology, Immunology, Cell biology, Microscopy & analytical Techniques, Histochemistry, Conservation biology, Ecology, Toxicology, Developmental biology, Endocrinology.

SKILLS AND SPECIALIZATION

➢ **COMPUTATIONAL SKILLS:**
  • **Programming Languages-** Python (>v3.7.8), R(>4.2.0);
  • **Other languages known:** HTML, php, css, MySQL, JavaScript;
  • **Presentation:** PowerBI, MS-Power Point;
  • **OS:** Windows (10,11), Linux (Ubuntu, CentOS), MS-DOS;
➢ **SOFT SKILLS:**
  • Teamwork; Time Management; Presentation; Adaptability and Work Ethics.
➢ **WORKING PROFECIENCY:**
  • Statistical programming; Gene expression analysis; R package development; Webtool development.

➢ **PROJECTS:**
  • To develop an Ensemble Framework for Differential Expression Analysis;
  • DGEAR: Differential Gene Expression Analysis with R;
    < https://cran.r-project.org/package=DGEAR>

COURSES AND CERTIFICATION

- Online Certificate Course in Machine Learning offered – National Institute of Electronics & Information Technology (NIELIT) – Feb 2023
- Industrial Internship and training on AI, Machine Learning using Python (project based) – Academy of Skill Development – Sep 2022
- Internship on Machine Learning, Artificial Intelligence, Data Analytics and Python – Pantech proLabs India Pvt Ltd, Tamil Nadu – June 2022
- Data Science & Machine Learning with Python – DecodeLife – May 2022
- Genome Wide Association Studies (GWAS) – DecodeLife – May 2022
- Data Science and ML-AI - E&ICT Academy, IIT Kanpur – May 2022
- Advance Excel – HPE Education Solution – Sep 2019
- Diploma in Information Technology Application – YCRC, Govt. of West Bengal – Jun 2019
- Tally.ERP9 – Business Enterprise Solution – Dec 2018

SEMINAR/WEBINAR AND WORKSHOPES ATTENDED

- Computational and Statistical tools for Applied Genomics by Department of Bioinformatics, University of North Bengal -7th to 9th Sep 2022
- Online bootcamp on Breaking into Data Science by Skill-Lync -22nd Sep 2022
- Cloud based hands on workshop on Computational Structure-based Drug Designing and Dynamics Simulations by Dept of Bioinformatics, NBU co-associated with Schrodinger. -8th to 9th Sep 2022
- PDBe-KB Aggregated Views: providing biological insights into 3D structures organized by European Bioinformatics Institute (EMBL-EBI) -5th May 2022
- The Genomics in Practice Seminar organized by Genomic Institute -24th Feb 2022

AREA OF INTEREST

- System biology;
- Algorithm development;
- NGS (Next Generation Sequencing).

PERSONAL DETAILS

Nationality	Indian
Date of Birth	8th April 2000
Marital Status	Un-married
Language Known	English****, Bengali****, Hindi***, Japanese**.

SELF DECLERATION

I hereby declare that the information furnished above is true and trustworthy to the best of my knowledge and belief.

Koushik Bardhan.