

Durgesh Kumar

Researcher & Developer

I'm a tech enthusiast, who indulged in developing solution for problem using freaking out means. Hard work, consistency, passion, enthusiasm and accuracy all these compiles to produce the executable me.

Personal Data

Phone

865-044-4838

Email

dkumar@ce.iitr.ac.in

WWW

durgesh123-iitr.github.io

Key Skills

COMPUTER LANGUAGES

Python	CSS
Javascript	Matlab
C++	R
HTML	Perl

ADDITIONALS

Android Studio	AWS
Visual Studio	Cloudflare
Git	Linux
Heroku	MySQL

Area of Intrest

Artificial Intelligence
Software Development
Physics & Mathematics
Web Development
Computational Biology
Geomatics Engineering

Software & Packages

Sketch, Figma



MS Excel, MS PowerPoint, MS Word



Neo4j Desktop, Gephi



R Studio, Jupyter, Matlab Simulinks



Languages

English



Hindi



Urdu



Education

2017- Indian Institute of Technology Roorkee

Bachelors of Technology

2015-17 Aligarh Muslim University

Senior Secondary

Projects

Dec
2018

Computational Biology and Translational Bioinformatics Laboratory

- Developed and Tuned a closest protein prediction algorithm
- Software packages used modeller, kpax, Itassar, pGenthrader, SVM_{light}, clastalo, ncbi-blast
- Python, Django, Javascript, HTML, CSS are used for web portal development
- Involvement of around 200gb of data and millions of files and hundreds of folder handled using High Performance Computing (HPC)

Jun-Jul
2018

Computational Biology and Translational Bioinformatics Laboratory

- Designed and Developed a web portal for network graph visualisation of medicinal plants data
- 5k medicinal plants and humans disease data collected
- Python, Django, Neo4j, Javascript, HTML, CSS are used

Jun-
2018

Self

- Signal processing and Classification using python
- EEG, ECG, and sound signals
- Filtering, Noise reduction, Peak detection
- Keras and scikit-learn are being used for classification

Additional Activities

Himalayan Explorer Club @ IITR

Provides an environment for travelling enthusiasts

Academic Reinforcement Program @ IITR

Provides undergraduate teaching assistance

Photography Section @ IITR

Links

Github:// durgesh123-iitr
LinkedIn:// Durgesh Kumar
Portfolio:// durgesh

References

DR. DEEPAK SHARMA
ASSISTANT PROFESSOR, IIT
ROORKEE
deepak.fbt@iitr.ac.in