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
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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*	*8.55/10*
2015-17	**Aligarh Muslim University** *Senior Secondary*	*87.2%*

Projects

Dec 2018 — **Protein Prediction Web Server**
Computational Biology and Translational Bioinformatics Laboratory

- Developed and Tuned a closest protein prediction algorithm
- Software packages used modeller, kpax, Itassar, pGenthreader, SVM_{light}, clastalo, ncbi-blast
- Python, Django, Javascript, 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 — **Dispel**
Computational Biology and Translational Bioinformatics Laboratory

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

Jun- 2018 — **Signal Filtering and Classification**
self

- Signal processing and Classification using python
- EEG, ECG, and sound signals
- Filtering, Noise reduction, Peak detection

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

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