

Durgesh Kumar

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EDUCATION

IIT ROORKEE

B.TECH IN CIVIL ENGINEERING
2017-2021 | Roorkee, IN
Cum. CGPA: 7.91 / 10

AMU ALIGARH

SENIOR SECONDARY
2015-2017 | Aligarh, IN
Overall Percentage: 87.2%

DPS ALIGARH

HIGH SCHOOL
2013-2015 | Aligarh, IN
Overall CGPA: 10 / 10

LINKS

Portfolio:// orionpax00
Github:// orionpax00
LinkedIn:// kakarot00
Twitter:// @_kakarot00
Facebook:// Durgesh

COURSES

Intro to Algorithms | MIT 6.006
Machine Learning | Stanford CS-229
Computer Vision | Stanford CS-231n
Probability & Statistics | IITR MAN-006
Modern Physics | IITR PYN-007
Data Mining for BI | IITR IBM 312

SKILLS

PROGRAMMING

Advanced:

Python • C • C++ • JavaScript
HTML • CSS • SASS • \LaTeX

Assembly

Familiar:

Tensorflow • PyTorch • Scikit-learn
X11 • C++ Boost • MLPack • Cuda
Django • Django REST • Flask
React • React-Native

MySQL • Neo4j
Docker • CI & CD

LANGUAGE

English • Hindi • Urdu

EXPERIENCE

WEB DEVELOPEMENT INTERN | GOOGLE SUMMER OF CODE

27 May 2019 - 19 Aug 2019 | Remote | Github Link

- Worked as a Student Developer and shipped open-source software for ScoRe Lab under the Google Summer of Code program.
- Developed a web application that enables users sketch deep learning models by connecting nodes together in a drag & drop interface.

RESEARCH INTERN | UNIVERSITY OF TOKYO

20 May 2019 - 10 July 2019 | Tokyo, JP | Github Link | Presentation Link

- Worked on the Cancerous and non-Cancerous cell determination along with the Promoter and Enhancer region prediction using interaction matrices generated by 3C technique.
- Proposed and implemented a method that merges the 3-dimensional structure and interaction matrix to create a weighted undirected graph, and further Analysed it using Graph Algorithms and Graph Neural Networks.

RESEARCH INTERN | IIT ROORKEE

May 2018 - Aug 2018 | Roorkee, IN

- Detection of repeats in a DNA sequence using Fast Fourier Transformation algorithm and Deep learning techniques.
- Brain signal analysis and filtering to predict the brain state with the objective of categorize Alzheimer's disease.

PROJECTS

Weather Data Analysis & GHI/Wind Speed Forecast | Salsa Pose Generation
Dhadkan: A React Mobile App | Protein Structure Similarity Matching Algorithm
Medicinal Plants Database | Customized Window Manager & Terminal emulator

POSITIONS OF RESPONSIBILITY

- **Mentor** | Scorelab, Google Code-In
- **Joint Secretary** | Himalayan Explorers' Club, IIT Roorkee

AWARDS

- Global Student Scholarship, University of Tokyo.
- SPARK fellowship, IIT Roorkee.
- UP Science Talent Search Examination fellowship, Government.
- Merit Cum Means Scholarship, IIT Roorkee.

REFERENCES

Dr. Kenta Nakai

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Dr. R. Balasubramanian

Professor, Dept. of CS
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