





Devansh Kumar

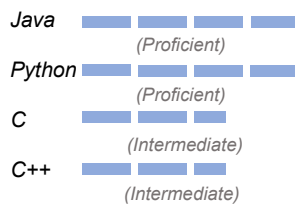
-  Ghaziabad, Uttar Pradesh
-  7599555561
-  devansh00@gmail.com
-  [LinkedIn/DevanshKumar](#)
-  [GitHub/DevanshKumar](#)

TECHNICAL SKILLS

- **Web Development:**
HTML, CSS, JavaScript
- **Frameworks:**
Node JS, Express JS, Bootstrap, AngularJS
- **Databases:**
SQL, MongoDB, PySpark,
- **Familiar:**
Artificial Intelligence & Machine Learning, Big Data analysis
- **Coursework:**
Data Structure and Algorithms, Operating Systems
- **Other Tools:**
Git, Microsoft Office Suite, Cmake, Snakemake

LANGUAGES

- **Programming Languages:**



- **Spoken Languages:**

English (Fluent)
Hindi (Native)
Spanish (Basic)

EDUCATION

Vellore Institute of Technology
Vellore (Tamil Nadu)
B.Tech - Information Technology – 8.09
CGPA (till Semester - VII)
(2020-2024)

Nehru World School
Ghaziabad (Uttar Pradesh)
XIIth Board – CBSE – 82.6%
(2018-2019)

Schiller Sr. Sec. School
Ghaziabad (Uttar Pradesh)
Xth Board – CBSE – 78%
(2017)

CERTIFICATES

Artificial Intelligence Analyst | CEAIIN, Provided By IBMCE

Course Completion Date: June 29, 2023

ibmcep.cognitiveclass.ai | Powered by IBM Developer Skills Network

Issued by IBM Career Education Program

Link: [IBM certificate](#)

Internship at IntuiComp TeraScience

Completion Date: May 20 - June 30, 2023

Project trainee with project supervisor, Dr Dipanjan Goswami, visiting faculty IITD, AI-ML project consultant in artificial Intelligence. Email id: philanthrop2019@gmail.com

Achievements/Tasks

- PySpark
- PyPSA
- Sensitivity analysis

Link: [Internship certificate](#)

PROJECTS

PyPSA | Python, Machine Learning Model

- Optimising modern power and energy systems that include features such as conventional generators, transformers, variable wind and solar generation, storage units, and mixed alternating and direct current networks.
- Mainly worked on cost optimization of electricity and the clustered path for electric transmission in minimum cost.
- We have different file folder interconnected with Snakemake (workflow management) dataset collected from CDS API for latest data about climate and other geo graphical factors.
- Skilled in data analysis and building machine learning models.

RoadSense | Machine Learning Model

- Implemented an advanced system to detect and recognize traffic signboards in diverse conditions using YOLO object detection algorithm with a CNN approach.
- Model designed for automated cars and government surveillance, updating maps for efficient and quick reactions.
- Contributed to safer roads and enhanced Intelligent Transport Systems.
- Proficient in Python programming and machine learning model development.

School Management Web App | MongoDB Integration

- A user-friendly School Management Web Application developed with HTML, CSS, JavaScript, NodeJs, Express, MongoDB, AngularJs, Ajax, and JQuery.
- Simplifies administrative tasks, allowing administrators to add teachers and students.
- Teachers can log in to record marks and attendance, while students can view their academic progress.
- Demonstrates proficiency in full-stack web development and database management.
- Enhances educational experiences for all stakeholders.

Data Wizard: Sensitivity Analysis for Precise Prediction | Machine Learning Model

- Conducted Sensitivity Analysis for precise parameter predictions.
- Overcame small dataset challenges for accurate results.
- Utilized clustering and bootstrapping techniques to enhance modeling.
- Demonstrated improved accuracy and outlined future research possibilities.