AMBUJ KUMAR

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🌐 https://www.linkedin.com/in/ambuj501/   🌐 https://github.com/ambuj501

❖ **Career Objective:**

A self-motivated and inspired team player, looking to start a career as an entry-level software engineer in a fast-paced organization that rewards dedication and proficiency in Python, C/C++, Databases, Microprocessors, Analog & Digital Electronics and where I can utilise my skills and experience of Electrical and Electronics Engineering towards the growth of the company.

❖ **Academic Accomplishments:**

Educational Qualification	Discipline	Completion Year	Board/ Institution	Percentage/ CGPA
B.Tech	Electrical and Electronics Eng.	2021	NIT-Delhi	**8.55**/10
12th	PCM	2016	UP-Board	**92.20**%
10th	Science	2014	UP-Board	**90.67**%

❖ **Internships:**
- Indian Institute of Remote Sensing (IIRS), **ISRO** *(2020)*
- National Institute of Technology **-NIT Delhi** (*2020)*
- Applied Cognitive Science Lab-**IIT Mandi** (*2019)*

❖ **Projects:**
- **Ship and Aircraft Detection in Satellite Images Using Deep Learning Techniques**
  ➢ Implemented Yolo and Faster R-CNN algorithms to detect ships and aircrafts in satellite images.
- **Electricity Theft Detection using Convolutional Neural Networks**
  ➢ Implemented Auto encoder-based ensemble of Wide & Deep CNN to detect Electricity theft.
- **Forecasting of Landslide and Healthcare Expenditures**
  ➢ Evaluating single and multi-headed neural network architectures of popular networks like MLP, CNN, LSTM, CNN-LSTM, ConvLSTM and ensemble them.
- **School Website and My Personal Portfolio Website (Front-end)**
  ➢ Technologies: HTML, CSS, JavaScript, Bootstrap

❖ **Publication:**
➢ *"Encoder Decoder based Linear Discriminant Analysis Technique for the Condition Monitoring of Induction Motor using Stator Current Signal."* International Journal for Scientific Research and Development 7.11(2020) :314-318

❖ **Technical Skills:**

Programming	:	Python, C++, Matlab
Electronics	:	Microprocessors (8086, 8085), Microcontrollers 8051, Arduino
Technologies	:	Machine learning, Computer vision and Time-series forecasting
Web Technology	:	HTML, CSS, JavaScript, Bootstrap, Databases and SQL
Framework/ Libraries	:	Keras, TensorFlow, Roboflow and OpenCV

❖ **Hobbies:**

Gardening, Animal Care and Playing Cricket.

❖ **Achievements:**
➢ Secured **5th** rank out of **200 teams** in reverse coding competition on **Hackerearth**. (07/2019)
➢ Earned **Gold level 5-star badge** in problem solving on **HackerRank.**
➢ Secured **AIR 13853** among **1.5 million** students in IIT-JEE-Mains 2017
➢ Executive member of Technical club and Mess-Committee, NIT Delhi (Aug 2019-presents)

❖ **References:**
➢ **Dr.Manoj Kumawat (**Asst. Prof NIT Delhi**) : manoj@nitdelhi.ac.in +91-9828288334**
➢ **Dr. Varun Dutt** (Assoc. Prof, IIT Mandi) **: varun@iitmandi.ac.in +91-1905-267184**

❖ **Declaration:**

I hereby declare that all the details mentioned above are correct to the best of my knowledge and I hold responsibility for the correctness of the above-mentioned particulars.

Place: Sultanpur, Uttar Pradesh India   **Ambuj Kumar**

Date: 30/10/2020