Saket Kumar

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EDUCATION

- **Netaji Subhash Engineering College** — Kolkata, India
  Bachelor of Technology in Electronics and Communication; CGPA: 8.10 — *Aug. 2016 – Present*

- **Ramakrishna Mission Vidyapith, Deoghar** — Jharkhand, India
  Senior Secondary School; Percentage: 93.20 — *Apr. 2015 – Jul. 2016*

- **G.R.S.S. Vidya Mandir,Bhagalpur** — Bihar, India
  Secondary School; CGPA: 9.8 — *Apr. 2013 – Mar. 2014*

PROGRAMMING SKILLS

- **Languages**: C programming, Python, C++, MATLAB, Basic Java.

- **Libraries**: Numpy, Pandas, Matplotlib, tkinter, requests.

- **Areas Of Interest**: Machine Learning, Data Science.

PROJECTS

- **Image Scraper** — www.github.com/Saketkr21/web-scraper/
  Scrape query related images from Bing Search with an approximate rate of 1000 images per hour.
  Technologies Used : Python libraries - bs4, requests, PIL.

- **Tic Tac Toe GUI Game** — www.github.com/Saketkr21/Python-GUI/
  Runs In both single and multiplayer functionality.Uses Minimax algorithm to make it unbeatable mode.
  Technology Used : Python Library tkinter.

- **Home Automation** — www.github.com/Saketkr21/Home-Automation/
  Working model of IoT which controls home appliances like bulb, fan using voice command. Linked Google
  Assistant with the ESP8266 and Arduino using IFTTT.
  Technologies Used: Arduino, Relay, ESP8266 (NodeMCU), IFTTT.

- **Hand written Digit Recognition**
  Built a Neural Network model having 25 units in hidden layer. Trained the model using 5,000 digit sets,
  obtaining a validation set accuracy of 97.88% using advanced optimizer 'fmincg'.
  Technology Used : MatLab, advance optimizer fmincg

TRAINING AND CERTIFICATIONS

- **Machine Learning** — **Stanford University, Coursera**
  Learned the foundation of machine learning by prof. Andrew Ng. Learned various machine learning techniques
  like regression, classification problems, Data Normalization, K- means clustering, SVM, and Neural Networks
  with Grade 95%.

- **Introduction to Data Science Training** — **Udemy**
  Used Pandas, numpy and matplotlib libraries of Python. Analysed data and Predicted home runs scored by
  baseball players using Statcast data.

- **C and Python Training** — **Spoken Tutorial, MHRD**
  Basics of C-programming and Python organised by IIT Bombay.

HOBBIES

- **Script Kiddie**
  FatRat, Burp Suite, Metasploit.

- **Reading about Cosmology**