

Prateek Sahu

prateeksahu1337@gmail.com | 9753612488 | LinkedIn:// [prateeksahu1337](#) | Github:// [prateek1337](#)

EDUCATION

National Institute of Technology Karnataka, Surathkal

Bachelor of Technology, Computer Engineering.

CGPA: 8.93/10.0

Mangalore, India

Dec 2019

St. Paul's Co-Ed School

Class XII (CBSE), 90.60%

Class X (CBSE), CGPA:9.2/10.0

Bhopal, India

April 2017

April 2015

TECHNICAL SKILLS

- **Languages:** C, C++, Python, Java, MySQL, HTML, CSS, JavaScript.
- **Technologies:** Django, STL, Numpy, JQuery, NLTK, Andriod Studio, Git, Jupyter Notebook, Anaconda.
- **Relevant Coursework:** Data Structures and Algorithms, Design and Analysis of Algorithms, Operating Systems, Database Management Systems, Graph Theory, Computer Networks, Object Oriented Programming(in Java), Concrete Mathematics.

PROJECTS

- **Friends of Farmers Android App:** Built an Android app to help farmers in directly selling their crops to customers without the interference of any middleman. Implemented functionalities such as modifying crops, stocks and prices, user wallet, search with sort and filter. Used Firebase as database and Java as programming language with android API. github.com/sdew021/FriendsOffarmers
- **Text Analysis:** Built a model to automate the task of summary making, using Natural Language Processing with Natural Language Toolkit(NLTK). Model produces suitable summary of given size of input text. Also compared two models of Extractive Summarization: Word frequency model and TFIDF model. github.com/Prateek1337/Text-Analysis
- **Financial Management Web App:** Developed a Web app that allows consumers to split expenses with friends. The app helps to keep track of informal debts. Implemented features like user search, real time notification, transaction history from scratch. Used Django for backend and MySQL as database. github.com/Prateek1337/Financial_Management_Webapp
- **Portfolio Website:** Built a responsive portfolio website using HTML, CSS (used SASS extension) and Javascript. Also used Formspree for form backend. prateek1337.github.io
- **Detection and localization of Focal Cortical Dysplasia (ongoing):** Implementing Deep Learning model to detect and localised region affected with Focal Cortical Dysplasia(FCD) in brain. Using Keras for building Deep Learning model and Jupyter Notebook as work environment.

ACHIEVEMENTS & AWARDS

- **Codechef:** Secured a global rank of 274 in Codechef June challenge(2019) among 9768 participants.
- **Codeforces:** Ranked 712 globally in Educational Codeforces Round 74 among 6871.
- **Certifications:**
 - Completed IET Competitive Programming Summer Mentorship. April 2018-July 2018
 - Completed Python Programming Boot-Camp Internshala. April 2018-July 2018
Certificate Number: 240045D2-F562-CC27-EFEC-8383EDA12F6B.
- **Competitive Programming:**
 - **Codeforces:**// [prateek1337](#) Max Rating - 1580 (Specialist).
 - **Codechef:**// [peter1337](#) Max Rating - 1815 (4 Stars).

INTERESTS

Technology, Open Source, Competitive Programming, Data Analysis, Machine Learning and Deep Learning, Android Development, Web Development.

EXTRACURRICULAR ACTIVITIES

- **ISTE NITK:** Executive member of ISTE NITK. ISTE is technical club which organises technical, cultural events and competitions for students of the institution. August 2018-present
- **Technites Engineer-2018:** Executive Member of Technites Engineer-2018, Annual Technical fest of NITK. As a member I was part of technical project that where displayed during the fest.