# Somnath Pal

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## EDUCATION

**INDIAN INSTITUTE OF INFORMATION TECHNOLOGY**
Kalyani, West Bengal
B.Tech in Computer Science and Engineering (2017-2021)
CGPA: 7.9

**MODERN VIDYA NIKETAN, ARAVALI HILLS**
Faridabad, Haryana (affiliated to CBSE)
Class 10 CGPA (2015):
8.8
Class 12 Percentage (2017):
89% (PHY: 91, CHEM: 94, MATH: 95)
JEE Mains Rank (2017) :
AIR 26,765 (out of 1,300,000)
JEE Adv. Rank (2017) :
AIR 17,919 (out of 172,000)

## LINKS

Github:// @WizArdZ3658
LinkedIn:// @skywalker11
Stack Overflow:// @9582533

## COURSEWORK

**UNDERGRADUATE**
Data Structures and Algorithms
Formal Language and Automata Theory
Probability, Statistics and
Discrete-Mathematics
Object Oriented Programming *(Java)*
Operating System
Computational Number Theory
DBMS
Compiler Design
Machine Learning

## SKILLS

Programming languages :-
Python • C/C++ • Java • Javascript
Git *(Cmd line)* • HTML • CSS • SQL
Miscellaneous :-
Django • REST API • QT 5.14 • React
PostgreSQL • MySQL • React Native •
AWS S3 • Firebase Auth • Bootstrap
sklearn • Linux

## WORK EXPERIENCE

**BENGAL CERAMICS AND MONOLITHIC INDUSTRIES** | Full Stack Developer | Jan 2020 - June 2020
- Developed a Desktop Application using QT 5.14 which keeps track of all the raw materials, employee information, customer information, products, expenditure, profit, billing details etc.
- Users can directly manage and keep track of expenditures and sales, calculate GST, monitor the inflow and outflow of raw materials, products. Use of online database enables the user to view everything remotely.
- Developed their first website to showcase products, tell the visitors about the industry and also making it simple for the customers to contact them.
- My task was to design the front end, back end logic and the implementation of REST APIs.

## PROJECTS (TOTAL 9)

**CODING TIPS** | Website where coders can share their projects/hacks/tips
- Users can register, setup profile, login/logout, write stuff, post comments, search for posts, like/dislike posts, upvote/downvote comments etc.They have to activate their accounts by clicking on the activation link sent to the user's e-mail ID, they can also recover password if they forget.
- Users can use markdown or may use tools from top panel to make blog look more beautiful and presentable (similar to StackOverflow) along with real time preview of the content.

**WORK MANAGER** | Full Stack Web Application
- This is a React-Django website featuring user log in, sign up, log out etc. Users can post their To-dos on the website after logging in and click on finish when they are done with it. It's a great way to store your day to day important activities. Also there is an option to delete To-dos incase if you have cancelled your program.

## ACHIEVEMENTS

**CODING COMPETITION BEST RESULTS** I'm interested in problem solving and solve problems from various Online Judges
- Reached highest rating of 1844 on **CodeChef** (Global ranking 7593 out of 210,000)
- Reached highest rating of 1538 on **HackerEarth** (Global ranking 323 out of 86,500)
- Ranked 70 (out of 900 teams) in "DeCipher" hosted by Institute of Engineering Management, Kolkata on CodeChef

**OTHER EVENTS**
- Smart India Hackathon 2020 finalist