SUJAL MODANWAL

Indian Institute of Engineering Science And Technology, Shibpur

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EXPERIENCE

Website
The INTELLECTS

📅 Aug 2020 - Now   📍 Work from home

- **Co-owner** of the website cum resource, currently having more than **600** involvements and positive feedback
- Shared responsibility of the complete front end and back end, implementing features like **online library**, **markdown** supported **blogs** and innovative page to enhance **connections**
- Tech used: **HTML, CSS, JavaScript, Node.js, SASS, MongoDB**
- Website link:- **The Intellects**, Source code: **SuMRoG**

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Open Source Contribution
Bcrypt

📅 Aug 2021   📍 Work from home

- Worked on a repository currently having more than **6000 stars**, asking a feature for **encryption** of password with respect to the time allotted, not number of rounds for generating salt
- Understanding the relation between number of rounds and time taken for encryption, developed an **algorithm** to provide the **best encryption** of password with all versions of bcrypt
- PR link: **node.bcrypt.js** and stack used are **C++ and JavaScript**

PROJECTS

Coco Bytes

- A group project designed in **JavaScript, Node.js and React.js**, where I gave the core idea and completed the back end
- Its an interface between the help seekers, and part time job finders introducing concept of **task based employment**
Source Code: **GitHub**   Prototype: **Youtube**

Text Summarization

- An algorithm written in **Python** appertaining **Machine Learning** to summarize a huge document file into some lines of text, technically known as **Extractive Summarization of text**
Source Code: **GitHub**

EDUCATION

B.Tech. (CST) - 8.86 CGPA (upto 4th sem)
Indian Institute of Engineering Science & Technology, Shibpur

📅 July 2019 – Now   📍 Howrah, West Bengal

Senior Secondary - 92.00% (CBSE Board)
Children Public Sr. Sec. School

📅 2019   📍 Fatehpur, Uttar Pradesh

ACHIEVEMENTS

- Achieved rank of **98** out of 4054 participants in **ICPC Amritapuri Mock Round**
- **CodeChef** : Max rating - 1940 **(4 stars)** **Codeforces** : Max rating - 1528 **(Specialist)** by solving more than **1000** problems
- Secured global rank of 643 out of total 6900 participants in **Google Kickstart** Round E, 2021
- Our team scored **8,934,556** points, securing AIR 655 in **Google Hash Code 2021**
- Developed a web app in **36** hours in **HACK-NITR 2.0** (Hackathon by NIT Rourkela)
- **District topper** in mathematics in senior secondary, by scoring **98 out of 100**
- Qualified to second round of **CodeChef Snackdown** 2021.
- Recipient of **GAABESU** (Alumni Association) scholarship for year 2020 and 2021

TECHNICAL SKILLS

- **FIELDS** : Web Development, Competitive Programming and Open Source
- **LANGUAGES :**
  Experienced : C/C++,
  Familiar : Python, JavaScript
- **TOOLS AND FRAMEWORK** : HTML, CSS, Node.js, EJS, Express.js, MongoDB, SQL
- **OS :** Windows, GNU/Linux
- **CONCEPTS :** Data Structures and Algorithms, OOPs

POSITION OF RESPONSIBILITY

- President of **CodeChef College Chapter** of IIEST, Shibpur
- Core member of **CodeIIEST**, coding club of IIEST, Shibpur

EXTRA-CURRICULAR ACTIVITIES

- Part of departmental football team in IIEST, Shibpur.
- Actively participate in team events, specially in field of sports and coding
- Love to explore new technologies