AMAN ROHILLA

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Village - Jui Kalan, District - Bhiwani, Haryana

EDUCATION

IIT MANDI	**M.V.M Sr. Sec. School**
B.Tech in Electrical Engineering	**Gangwa, Hisar**
Graduation Year : 2020	**X, XII (CBSE)**
Enrollment No. B16008	XII : 89.2 %
CGPA : 6.87	X : 10 (CGPA)

SKILLS

C, C++, Python, Java, HTML, CSS, JavaScript, Dart, Flutter, Problem Solving, Multithreading
Django, Flask, Web Scraping, Node.js, Express.js, JSON, Regex, SQL, SQLite, SQLAlchemy, JDBC
Mongoose, MongoDB, PostgresSQL, REST API, User Authentication, Bootstrap, Jinja Templates
Git, Linux, Windows, Android, Arduino, Raspberry Pi, File System

COURSES

- Computation for Engineers, Data Structures and Algorithms, Probability, Computer Organization
- Database Management Systems, Operating Systems, Computer Networks, TOC, Compiler Design
- Signals & Systems, Network Theory, Control Systems, Linear Dynamical Systems, Linear Algebra
- Electrical Machines, Power Systems, Special Electrical Machines, Power Electronics, SMPC
- Device Electronics, CMOS Analog IC Design, Communication Theory

PROJECTS

- Head over to rohilla.co.in to see the projects in detail, access the source code and executables, and experience live projects.

rohilla.co.in (28 July - 10 August 2022)
Built my website using HTML, CSS, Bootstrap, Nunjucks Templates, Javascript, jQuery, Node.js, Express.js, MongoDB and User Authentication using bcryptjs, JWT and cookies.

WiFi Monitor (20-27 April 2022)
An android app to save mobile data, in Dart with Flutter framework using networking and android background service libraries.

Spotify Playlist Converter (October 2021)
A command line tool to convert Spotify playlist songs to JioSaavn and Deezer song links in C++ and Python involving flask, api, curl, system calls, opencv and pillow image comparison, and selenium.

Music Downloader (May 2021)
A command line tool in C++ using aria2 for downloading and kid3-cli tag editor for writing metadata.

Pole Climber (Feb 2018 - June 2018)
A mechanical cubical assembly was made which had some tyres attached to DC motors which were controlled by Raspberry Pi. It was made to climb the electrical poles. It had a rotating arm also.

Smart Road Lights (Feb 2017 - June 2017)
Implemented a solution to reduce energy consumption of highway and street lights by adjusting brightness using arduino.

ACHIEVEMENTS AND HOBBIES

Continuous first ranker for six years in every term exam from class 7th to 12th who loves to listen music and write poetry