

Vineet Madan

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Education

Indian Institute of Technology Ropar

B.TECH. IN COMPUTER SCIENCE AND ENGINEERING

CURRENT C.G.P.A : **9.19/10**

Ropar, India

August 2017 - Present

Central Board of Secondary Education

AISSCE (CLASS 12): **93.6%**

AISSE (CLASS 10) C.G.P.A : **10**

Chandigarh, India

Skills

Programming Languages C/C++, Python, Octave, HTML5, CSS, PHP, SQL, Javascript

Frameworks / Libraries Django, RASA NLU, Beautiful Soup

Softwares / Tools / OS MATLAB, Git, Linux(Ubuntu)

Work Experience

CERT-In

Ministry of Electronics and IT

INTERN

December 2017

- Created a **scheduled web scraper** that scraps malware urls from the web (Using Beautiful Soup) and stores them into an SQLite database.
- Connection to the database is established through a Django app. The app is integrated with the **viper framework** for malware analysis.
- **ChartJS** was used to build charts showing the most common malware urls.
- Created a **REST API** for the project using Django Rest Framework.

Projects

Chatbot

Python, RASA NLU Framework

- The project involves developing a chatbot tailored to the needs of students, professors and administrators in an educational institution
- The project involved the use of the **RASA Natural Language Understanding Framework** and developing a **MySQL** database.

Spam Message Filter

C

- Developed a program which classifies text/email messages as spam and not spam.
- Implemented **K-Means Clustering Algorithm**.

Logic Minimization Problem

C++

- Developed a program to minimize a boolean expression
- Implemented Queen Mccluskey algorithm.

Relevant Courses

Computer Science Data Structures*, Digital Logic Design*, Machine Learning

Mathematics Calculus, Linear Algebra, Discrete Mathematics, Differential Equations*

Position of Responsibility

Robotics Club Representative

June 2018 - Present

Organise tutorial sessions and competitions for juniors and teach them various skills like coding.

School President

2014 - 2015

Represent over 3000 students of the school and organise various events

Miscellaneous

JEE Rank Secured a rank of **1066** (Out of **1.5 million candidates**) in Joint Entrance Exam, 2016.