

Contact

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Website: <https://tanmayvijay.github.io/>

Useful Links:

[LinkedIn](#) | [GitHub](#) | [Hackerrank](#) | [G4G](#)

Education

B.Tech – Computer Science and Engineering

University Departments, Rajasthan Technical University, Kota

AUG 2017 – APR 2021 (Ongoing)

Score: 9.45 CGPA (till V Sem)

XII Standard – Mathematics and Science

Hadauti Bal Vidhyalaya, Kota

APR 2014 – MAR 2017

Score: 86 %

X Standard

Modi Public School, Kota

APR 2002 – MAR 2014

Score: 8.8 CGPA

Skills

Languages: Python, C++, C, Java, HTML

Coursework: Problem Solving, Data Structures, Algorithms, OOP, DBMS

Frameworks: Django, Pandas, NumPy

Industry Knowledge: Machine Learning, Deep Learning

Courses / Trainings

Machine Learning

[Coursera](#) | MAR 2019 - APR 2019

C++ Training

[CAD Desk Kota](#) | JUN 2018 – JUL 2018

Data Structures and Algorithms Specialization

[Coursera](#) | MAR 2020 - AUG 2020

Algorithms Pt-I & Pt-II

[Coursera](#) | JAN 2020 - FEB 2020

Tanmay Vijay

VII Semester - B.Tech, Computer Science and Engineering

University Departments, Rajasthan Technical University, Kota

Work Experience

SDE Intern - Naxap Technology Pvt. Ltd

MAY 2020 – JULY 2020

Worked on a **Translation API** project to translate 7 languages to English.

Challenges: Scrapping exhaustive lists of words and polygrams for 7 languages, Finding proper metric to select between polygrams.

Freelance Web Developer - MedillPharma.com

OCT 2019 – DEC 2019

Developed and maintained a complete website for client. Created backend for handling users, custom emails and dynamic site updation.

Projects

Nebula - A Programming Language | [GitHub](#)

JAN 2020 – APR 2020

Implemented various elements of compiler like **Lexical Analyzer**, **Parser**, **Semantic Analyzer** and Runtime Environment. Expressions are converted to **Abstract Syntax Trees** using **Modified Shunting Yard Algorithm (Dijkstra)**.

COVID-19 Contact Tracker Application | [GitHub](#)

APR 2020

Technologies: Django, Heroku, Android API v5.0, Google Nearby API.

An application to detect when two people come in contact, so as to identify potential Corona cases if one of them is found positive.

Challenges: Detecting contact, Connecting django backend, Optimizing for large database size, Reducing battery requirements in app.

Taxonomy Prediction on Stack Overflow Data | [GitHub](#)

AUG 2019

Trained a One-vs-Rest classifier model using Bag of Words to automatically classify questions into multiple categories.

Challenges: Handling of large dataset, processing text data for Cleaning, Tokenizing and Vectorizing words. Qualified for TCS HumAI'n 2019 round-2.

Social Media Site on Django | [GitHub](#)

DEC 2019

Created a fully functional social media site project (Backend) from scratch using Django Backend Framework.

Challenges: Implementing Markdown capabilities, followers - following system, authentication and authorization of user actions, login required sensitive actions, suggesting profiles to follow.

Achievements and Extra-Curricular Activities

Microsoft Student Partner - Beta

APR 2020 – PRESENT

Organised various events including workshops on Git and GitHub, Tutorial on making a programming language from scratch, etc.

Programming Club Instructor – Techknights Club

SEP 2018 – MAY 2020

Mentored club members about programming and technical concepts.

Achieved 1st place in Python Programming on Hackerrank

SEP 2018

Solved over 150 problems on python programming on Hackerrank.

Worked with a startup – College Conexion

DEC 2017 – AUG 2018

The app achieved traction of over 1200 users within its first month.

Organized Hacktoberfest 2019

OCT 2019

Organized and managed GitHub's open source event in college.