# Education

Abhinav Dixit

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**VIT Bhopal University, Bhopal** **2022 - 2026**

*B. Tech in Computer Science & Engineering 8.28/10 CGPA*

## Sunbeam English School Bhagwanpur, Varanasi, U.P. 2010 - 2022

*Intermediate XII (Senior-secondary) 87%*

*High School X (Secondary) 93%*

# Technical Skills

**Programming Languages**: C, C++, Python, JavaScript

**Full Stack Frameworks**: MongoDB, MySQL,

**Machine Learning: Scikit Learn, Seaborn, Tensorflow**

# Projects

### VITMed Online: A Medical Consultancy website to help people of VIT Bhopal

* I and my team of 5 members created this website to help aid the people residing within the VIT Bhopal Campus. It was becoming a burden on just a single professional medical officer to handle so many people.
* Used technologies such as PhP, HTML, CSS, JavaScript, SQL for seamless and intuitive experience for the user. This allowed us to create a space for many features to work simultaneously and give us the ability to add even more features in the future.
* Created a multi tab feature to provide several features like doctor consultation, chat option etc
* Constructed a user-friendly webpage for easier access to multiple tabs.
* Utilized PhP for data storage and other related activities

### Cervical Cytology Classification using AIML

* In a team of 5 members, we created a photo scanning model that detects **Cervical Cancer** by scanning its images for certain patterns.
* Implemented many technologies such CNNs, GWO, SVM, PCA machine leaning models and classifiers to train the model with 2000+ images of pap smear test.
* Tried many combinations of models to get the best possible results for our final model.
* We used many python libraries to visualize the data and got the results of 95%+ accuracy.
* We intended it to simplify the generic pap smear test and reduce the time to the test results.

# Certifications

## [Google IT Professional Certificate](https://www.coursera.org/account/accomplishments/verify/J66QWBLW2B74)

* **The Bits and Bytes of Computer Networking** — *Google* Achieved a grade of 95%. An in-depth study on the fundamentals and advanced concepts of computer networking.
* **Cloud Computing** — *NPTEL Achieved* a grade of 72% and was awarded the elite medal. A proper guide and introduction further enclosing with advanced topics based on cloud computing.

# Achievements

* Learned many languages like c,c++,java,html,css,javascript,ML models and algorithms
* Successfully completed course focusing on Machine Learning and Data Science.