

Vishva Patel

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Portfolio: [vishvap.github.io](https://github.com/vishvap)

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EDUCATION

| Degree | Institute | Year | CGPA/ Percentile |
|--|--|------|---------------------|
| B. Tech, Computer Science and Engineering (4 th year) | Vellore Institute of Technology, Vellore | 2021 | 9.51 |
| Class XII (Gujarat State Education Board) | T. and T. V. Sarvajani High School | 2017 | 99.30 |
| Class X (Gujarat State Education Board) | J. H. Ambani Saraswati Vidyamandir | 2015 | 99.96 |

WORK EXPERIENCE

- **Research and Development Intern | FactEntry - India** (Dec 2019 - Present)
Developing natural language processing techniques for feature extraction from financial bonds PDF files.
- **Software Developer Intern | SSM InfoTech Solutions, Surat** (May 2019 - Jun 2019)
Developed client complaint system application in 3-tier architecture using *ASP.NET, C#, JavaScript and SQL Server*.

ONLINE CERTIFICATIONS

- [Database Management Systems](#) (NPTEL)
- [SQL](#) (Stanford Online)
- [Deep Learning](#) (GUVI, IIT Madras)
- [Neural Networks and Deep Learning](#) (deeplearning.io, Coursera)
- [Advanced Styling with Responsive Design](#) (University of Michigan, Coursera)
- [Java Programming: Principles of Software Design](#) (Duke University, Coursera)
- [Parallel Programming in Java](#) (Rice University, Coursera)
- [System Fundamentals for Cyber Security](#) (IEEE)
- [Cryptography Fundamentals](#) (IEEE)

TECHNICAL SKILLS

| | |
|-----------------------|--|
| Programming Languages | Java, Python, C, C++ |
| Development | ASP.NET, PHP, MySQL, HTML5, CSS, JavaScript, Bootstrap |
| Systems & Softwares | R, GitHub, Forensic Toolkit, Autopsy, Rational Rose |

SELECTED PROJECTS

- **The Farmers Hub:** Developed methodology for analysis and prediction of farmers' sentiments with **N.B. Classifier** using *Python* and created question - answer forum for farmers using *PHP* and *MySQL*.
- **SkillMatch:** Developed web application for professional networking using *PHP* and *MySQL*, where users can showcase their credentials and skills, find and contact collaborators by searching required skill set.
- **Optimized Hill Cipher:** Enhanced the computational time of classical Hill cipher by parallel implementation of $O(n^{\log 7})$ matrix multiplication.
- **Blood Cell Counting:** Developed methodology using *OpenCV* and *Python* to identify blood cells from enhancement, segmentation and feature extraction of blood smear sample images.
- **e-Drishyam - Automatic Image Descriptor:** Developed pipelining model of *CNN* and *RNN*, trained using *COCO* object dataset to generate appropriate caption for input image.

ACTIVITIES & ACHIEVEMENTS

- **Cyber Volunteer**, Helping the police in the prevention and detection of all kind of cyber-crimes.
- Worked on **Online Courseware Development** and created **Study Material, Quizzes** and **Video Lessons** at Pojo Softwares Pvt. Ltd., IIT Madras Research Park.
- Selected as **top 1%** of students for **Scholarship Award for Higher Education** in 2017 by Innovation in Science Pursuit for Inspired Research based on academic excellence.
- Recipient of **MYSY Scholarship** for undergraduate program based on academic merit.
- **Second Price** for **Impactful Activities in Science and Technology** across the state by Gujarat Council on Science and Technology.
- **Rank - 2** in state in **Mathematics Scholarship Competition** by All India Aryabhata Science Mathematics Club.
- Attended three days training on **Fundamentals and Advances of Telecommunication** in Ericsson Career Connect Program.

INTERESTS

Learning new things, Artificial Intelligence, Scalable Software Systems, Indian Classical Music.