# Vishva Patel

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## EDUCATION

| Degree | Institute | Year | CGPA / Percentile |
|---|---|---|---|
| **B. Tech, Computer Science and Engineering** (4th year) | Vellore Institute of Technology, Vellore | 2021 | **9.43** |
| **Class XII** (Gujarat State Education Board) | T. and T. V. Sarvajanik High School | 2017 | **99.30** |
| **Class X** (Gujarat State Education Board) | J. H. Ambani Saraswati Vidyamandir | 2015 | **99.96** |

## WORK EXPERIENCE

- **Project Developer Intern | FactEntry - India**                    (*Dec 2019 – Present*)
  Developing efficient algorithms for specific features extraction from natural language description of financial bonds.
- **Software Developer Intern | SSM InfoTech Solutions, Surat**        (*May 2019 - Jun 2019*)
  Designed and implemented client complaint system's application in three tier architecture utilizing *ASP.NET, C#, JavaScript* and *SQL Server*.

## ONLINE CERTIFICATIONS

- Advanced Styling with Responsive Design *(University of Michigan, Coursera)*
- Neural Networks and Deep Learning *(deeplearning.io, Coursera)*
- Introduction to Data Science *(Microsoft Virtual Academy)*
- AWS *(GUVI, IIT Madras)*
- SQL *(Stanford Online)*
- Database Management Systems *(IIT Kharagpur, NPTEL)*
- Java Programming: Principles of Software Design *(Duke University, Coursera)*
- Parallel Programming in Java *(Rice University, Coursera)*
- Deep Learning *(GUVI, IIT Madras)*

## TECHNICAL SKILLS

| | |
|---|---|
| **Programming Languages** | Java, Python, C, C++ |
| **Web Development** | Microsoft .NET, ASP.NET, C#, PHP, MySQL, JavaScript, Bootstrap, HTML5, CSS |
| **Softwares** | MATLAB, R, Arduino, Wireshark, Forensic Toolkit, Autopsy, OrCAD, Quartus, Rational Rose |

## SELECTED PROJECTS

- **Optimized Hill Cipher:** Enhanced the computational time of classical Hill cipher by parallel implementation of $O(n^{log7})$ matrix multiplication.
- **SkillMatch - Human Resource Networking:** 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.
- **Prediction of farmers satisfaction using sentiment analysis:** 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*.
- **Automatic Image Describer:** Developed pipelining model of *CNN* and *RNN*, trained using *COCO* object dataset to generate appropriate caption for input image.
- **Toll Reduction using Parallel Approach:** Optimized performance of the shortest path finding algorithm by multithreading of partitioned tasks for toll reduction using *C++* and *OpenMP* and analyzed using *VTune amplifier.*

## ACTIVITIES & ACHIEVEMENTS

- Selected as **top 1%** of students for **Scholarship Award for Higher Education** 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 Aryabhatta Science Mathematics Club.
- Worked on **Online Courseware Development** and created **Study Material, Quizzes** and **Video Lessons** at Pojo Softwares Pvt. Ltd., IIT Madras Research Park.
- Attended three days training on **Fundamentals and Advances of Telecommunication** in Ericsson Career Connect Program.

## INTERESTS

Computer Vision, Artificial Intelligence, Software Systems, Indian Classical Music.