Vishva Patel

Email: vishvapatel652@gmail.com

Portfolio: vishvap.github.io

LinkedIn: linkedin.com/in/vishvap

GitHub: github.com/VishvaP

EDUCATION

Degree	Institute	Year	CGPA/ Percentile
B. Tech, Computer Science and Engineering (4th year)	Vellore Institute of Technology, Vellore	2021	**9.54**
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

- **Research and Development Intern | FactEntry - India**   (*Dec 2019 – Jun 2020*)
  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 $O(n^{log7})$ 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 Describer:** 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 Aryabhatta 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.