

# VISHAL S

Senior at PES University

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## Education

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### PES University

*BTech in Computer Science and Engineering*

CGPA: 7.59

2021-2025

Bengaluru, India

### Narayana E Techno School

*PCMC*

Percentage: 91.2%

2019-2021

Bengaluru, India

### Cambridge Public School

*ICSE*

Percentage: 91.0%

2007-2019

Bengaluru, India

## Technical Skills

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**Languages:** C/C++, Python, Java, SQL

**Web development:** HTML, CSS

**Developer Tools:** Git/ Github, VSCode, IntelliJ Idea, Anaconda/ Miniconda, Replit

**Operating Systems:** macOS X, Windows, Ubuntu

**Databases:** MySQL, SQLite

**Cloud/ Devops:** Docker, Kubernetes, AWS Lambda

## Projects

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### Fortune Teller Application | *Python, AWS Lambda, Amazon API Gateway* [Link]

- Built a fortune teller application using AWS Lambda and API Gateway, that responds to a user question with a "Yes", "No" or "Maybe", randomly generated using Python.

### Backup Services using Docker and Kubernetes | *Python, Google drive API, Docker, Kubernetes* [Link]

- Developed an automated backup service that periodically saves folder contents to Google Drive, leveraging containerization for improved portability and scalability.
- Implemented the core functionality using Python and Google Drive API, containerized the application with Docker, and deployed it on a Kubernetes cluster for efficient orchestration and scheduling.

### Comparing IndicBERT and ML for Hindi Aggression Detection | *Python, NLP, IndicBERT, SetFit* [Link]

- Built multi-class models for Hindi aggression detection using both traditional ML and deep learning.
- Utilized IndicBERT for feature extraction and fine-tuning; compared with Logistic Regression, SVM, and Random Forest classifiers.
- Achieved 53.33% accuracy and 0.5294 F1 score, setting a baseline for Indian language text classification with modern NLP techniques.

### Product recommendation system | *Machine Learning, Python, Logistic Regression* [Link]

- Created an NLP-based product recommendation system for e-commerce using Sentence Transformers and custom brand weighting.
- Implemented cosine similarity with brand-aware algorithms to match user queries to relevant products efficiently.
- Improved user experience by delivering personalized, brand-aligned product suggestions, potentially boosting engagement and sales

## Certifications

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- Supervised Machine Learning: Regression and Classification - **Coursera**
- Certificate of Internship: Summer Workshop 2023, CIE - **CIE at PES University**
- Certificate of Distinction: Introduction to NLP - **PESU IO**
- Open Source Contribution - **Social Winter of Code Season 3**

## Awards

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- **Distinction Award Certificate:** Awarded for scoring more than 7.75 SGPA in the Department