UTSAV PAL

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EDUCATION

- **VIT Bhopal University, Bhopal**
  Bachelor of Technology in Computer Science | CGPA : 8.5   April 2026
- **Kendriya Vidyalaya Ambajhari, Nagpur**
  Higher Secondary Certificate (HSC), CBSE Board | Percentage: 93%   May 2022
- **Kendriya Vidyalaya Ambajhari, Nagpur**
  Secondary School Certificate (SSC), CBSE Board | Percentage: 89%   May 2020

PROJECTS

Advanced Ecommerce Recommendation System | Python, NLP,
- Built a content-based recommendation system using NLP (BoW) with 95% accuracy and <100ms response time for 1M products, integrated with Amazon Product Advertising API.

Handwritten Digit Recognition | Python, ML, KNN, Numpy, Tensorflow
- Optimized a KNN-based handwritten digit recognition system with 95% accuracy, 20% performance boost, 25% faster computation, and 15% reduced variance using K-fold cross-validation.

Predictive Health Diagnosis System | Python, ML, Django
- Built a machine learning system in Python to predict disease outcomes using K-Nearest Neighbors (KNN), achieving high reliability on health datasets.

Open Source Contribution

Openclimate Fix :
- Uk-pvnet: Refactored the codebase, update the doc and solve merge conflict
- Ocf-data-sampler: Formate the codebase and solve linit error(ruff and black)

TECHNICAL SKILLS

- **Languages**: Python (Proficient), Java,C++
- **Full Stack Development** : Django, HTML, CSS, Javascript
- **Database & cloud** : Mysql, MongoDB, AWS, Vercel
- **Data Science**: NLP, Standard Ml Algorithms, Numpy, Pandas, Matplotlib
- **Developer Tools**: IntelliJ, VS Code, Git, Docker, Jupyter, Gitlab
- **CS Fundamentals**: DSA, OOP, Operating Systems, DBMS, Computer Networks

CERTIFICATIONS

- **NPTEL**: Cloud computing and Market Analysis
- **Coursera** : Bits and Bytes of Computer Networking
- **IBM** : Devops and Cyber Security

EXTRA CURRICULAR AND ACHIEVEMENT

- Solved 200 problems on Codechef, Leetcode, Hackerrank, Interviewbit, SPOJ and CodeForces
- Active member of club Coding Block
- Football player Right wing played for KVs Regional, club and Cluster