VED PINGLE

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EDUCATION

Pune Institute of Computer Technology   **2022 - 2026**
Bachelor of Engineering in Information Technology   *GPA - 8.51/10*

EXPERIENCE

Pune Institute of Computer Technology   **Feb 2025 – Apr 2025**
Machine Learning Intern   *Pune, Maharashtra*

- Designed and trained a **Bidirectional LSTM model(RNN)** achieving **95%+** accuracy for recognizing sequential ISL gestures from live video input.
- Utilized **Mediapipe** for precise hand landmark detection and **OpenCV** for real-time video capture and gesture visualization.
- Developed a complete application enabling real-time gesture-to-text translation.

PROJECTS

Real Estate App | *MERN, Prisma, Socket.io*

- Built a full-stack real estate platform with **Prisma ORM** and **JWT authentication**, implementing protected routes and complete **CRUD operations** for property listings.
- Implemented frontend features: image uploading, rich-text editor, loading skeletons, React Router DOM navigation, and state management using **Context API** and Zustand.
- Integrated **Socket.io** for real-time chat and optimized UX for message delivery.

Dream Space AI

- Built a web app that turns user-uploaded room photos into AI-generated interior redesign proposals in seconds, based on their chosen aesthetic.
- Leveraged Next.js for hybrid SSR/SSG, React hooks for dynamic UI, Tailwind for responsive theming, Drizzle + NeonDB for data and Firebase storage for assets.
- Users log in via **Clerk**, upload an image, choose a style, and receive high-quality layouts and color schemes powered by the Replicate image-to-image API.

Git Automation Tool | *Automation*

- Developed a Python-based CLI utility powered by an on-device LLM to automate Git workflows— including branching, commits, pushes, and AI-generated README creation. Published as a reusable PyPI package with 7.5K+ downloads, streamlining development workflows for thousands of developers.

TECHNICAL SKILLS

Languages: C++, Java, Python.
Core Concepts: DBMS, OOP, OS.
Databases & Frameworks: MySQL, MongoDB, ReactJS, Flutter.
Tools: Git/GitHub, Power BI, VS Code, Canva, Figma.
Cloud Platforms: AWS Amplify.

ACHIEVEMENTS

PICT IEEE Student Chapter | *Technical Team Member*   **March 2024**

- Contributed to the development and hosting of app on Google Play for the PICT IEEE event **Credenz'24**. Flutter Based App.

Data Structures & Algorithms

- Solved 400+ algorithmic challenges across **LeetCode** and **GeeksforGeeks**, refining problem-solving skills and data-structure mastery.