PARTH DESHPANDE

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EDUCATION

VIT Bhopal University — **Ashta, MP**
B.tech-Computer Science (Specialization in A.I. & M.L.) (9.11 cgpa) — *August 2023 - Present*
Govt. Excellence H.S. School High School — **Betul,MP**
10^{TH} (100%) 12^{TH} *(94%)* — *April 2019- March 2023*

TECHNICAL SKILLS

Programming Languages: Python, C++, C, HTML, Javascript, CSS
Libraries and Tools: ReactJs, NodeJs,MySQL, MongoDB, Git, Figma
Soft Skills: Leadership, Event Management, Problem Solving, Team Collaboration, Adaptability, Creativity

WORK EXPERIENCE

A.I. Developer — **Internship (Remote)**
Worked at AlgoFed — *Dec 2024 - Feb 2025*

- Developed Python scripts to accurately extract and parse hardware details (CPU, RAM, serial numbers) from PDFs using PyPDF2/pdfminer.
- Created a comparison tool to identify missing or mismatched hardware data by comparing extracted PDF info against predefined datasets.
- Ensured robust error handling for corrupted PDFs and generated detailed mismatch reports in JSON/text formats.

C++ Developer — **Internship (Remote)**
Worked at Code Casa Pvt. Ltd. — Sep *2023 - Oct 2023*

- Implemented a file-based user registration and login system in C++ handling secure user data storage and authentication.
- Developed a hotel management system to manage customer records, enabling booking, searching, updating, and deleting records with file I/O operations.
- Enhanced understanding of file handling, data structures, and basic system design through practical coding projects.

PROJECTS

Sentiment Analysis Web Application: Moodify GitHub

Moodify is a sentiment analysis web application built using **Python, Flask, HTML, CSS, and JavaScript**. It leverages a **BERT-based NLP model** to analyze user **text input and classify emotions** into categories like Happy, Sad, Angry, and Neutral. Designed with an intuitive frontend and a Flask-powered backend, the system provides real-time sentiment feedback and visualization with an overall **model accuracy of 87–90%**.

Predictive Network Traffic Analyzer: Netlyze GitHub

Netlyze is a real-time **desktop application for network traffic analysis and anomaly detection**, developed using **Python, PyQt5, Scapy, and Dash.** The tool captures live packet data, processes it through **hybrid ML models—Random Forest and Gradient Boosting**—and visualizes threats, bottlenecks, and bandwidth stats through an offline GUI. The system achieved an impressive **99.18% accuracy** in detecting anomalies and is optimized for use in secure, internet-restricted environments.

Cyber Safety Learning Platform for Kids: NetNinja View

NetNinja is an interactive **web platform** that teaches cyber safety to children aged 5–15 through gamified learning. Built with **React, Firebase, HTML, CSS, and JavaScript**, it features **text-based role-playing stories, quizzes, real-world threat simulations, and a child-safe AI chatbot**, combining engaging UX with educational content for intuitive, play-based learning.

CERTIFICATIONS & ACHEIVEMENTS

Cloud Computing (NPTEL)	Link
Fundamentals of A.I. and M.L. (VITyarthi)	Link
Python Essentials (VITyarthi)	Link
Learn Python (Code Chef)	Link
Introduction to Programming Using Python (HackerRank)	Link
MATLAB Onramp (MathWorks)	Link

EXTRACURRICULAR ACTIVITIES

Content Team Core Member – Metaverse Club, Edu4u Club, Freelancing Club
Anchor – School Fests including Guru Purnima, Farewell, and Government Events
Winner – Division-Level Sanskrit Shloka, Singing, Tabla Playing, and Science Quiz Competitions