

# Parv Daga

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## EDUCATION

### VIT Bhopal University

BTech

Major: Computer Science; Minor: Artificial Intelligence & Machine Learning

Cumulative GPA: 8.26/10

Bhopal, Madhya Pradesh  
Oct 2022 – Oct 2026 (Expected)

### 12<sup>th</sup> Standard

#### Advanced Academy

CBSE Percentage: 84%

Indore, Madhya Pradesh  
April 2020 – Jun 2022

### 10<sup>th</sup> Standard

#### Advanced Academy

CBSE Percentage: 87%

Indore, Madhya Pradesh  
April 2018 – May 2020

## TECHNICAL SKILLS

**Programming Languages:** Python, C++

**Frontend Development:** React.js, Next.js, HTML, CSS, Tailwind CSS

**Backend Development:** Node.js, Express.js

**Programming Core:** DSA, Object-Oriented Programming (OOP)

**Machine Learning & AI:** TensorFlow, Scikit-Learn, CNNs, RNNs, NLP, Prompt Engineering

**Databases & Storage:** MongoDB, Supabase

**DevOps & Tools:** Git, Langchain, n8n.io

**Other Technologies:** Microservices, Web Scraping

## WORK EXPERIENCE

### AI & Full-Stack Developer Intern (Tuileip AI Solutions)

Jan 2025 – May 2025

- Developed production-grade full-stack features using React.js and Node.js microservices, increasing system efficiency by 25%.
- Crafted user-centric UI/UX and implemented automation workflows with Python and n8n.io, accelerating video summarization by 30%.
- Architected automation workflows using Python and n8n.io for video summarization via LLM APIs, enhancing processing efficiency by 30%.
- Leveraged NLP and prompt engineering for information retrieval tasks, reducing manual post-editing by 25%.

## UNIVERSITY PROJECTS

### TRAVEL AGENCY PAYMENT MANAGEMENT SYSTEM

Mar 2025 – Apr 2025

- Constructed a scalable full-stack transaction platform using Node.js, React, and MongoDB, enabling secure online and offline payment processing for travel bookings.
- Integrated WhatsApp API and automated email notifications, ensuring users receive instant and reliable payment confirmations.
- Built an admin dashboard that automatically generates PDF invoices, streamlining the invoicing workflow and significantly reducing manual administrative effort.

### MICROTASKVAULT – AI-POWERED SAAS PLATFORM

Oct 2024 – Apr 2025

- Orchestrated the UI/UX design and front-end build utilizing Next.js and Tailwind CSS, seamlessly connecting with a Supabase backend, and personally resolved 10+ UI bugs within the first week.
- Implemented machine learning automation to reduce manual workload by 40% and integrated blockchain for secure, transparent data tracking.
- Engineered cross-functional data pipelines to optimize data flow between front-end and back-end, resolving 9 critical bottlenecks during performance audits.

### SOLAR RADIATION PREDICTION USING REGRESSION

Jan 2024 – May 2024

- Applied Linear Regression to weather datasets, attaining 85% accuracy in solar radiation prediction.
- Processed and visualized datasets using NumPy and Matplotlib to facilitate model analysis.

### PLANT LEAF DISEASE DETECTION

Oct 2023 – Jan 2024

- Developed and evaluated CNN, SVM, and Random Forest models, achieving 90% accuracy in apple leaf disease detection.
- Optimized CNN model performance through targeted hyperparameter tuning, reducing misclassification errors by 15% and enhancing reliability.

## ACTIVITIES

### LINUX CLUB, PRESIDENT

May 2024 – May 2025

- Directed club strategy and spearheaded AdvITIya 2024 & 2025 events, engaging 600+ participants.
- Generated over Rs. 2 lakh in revenue and Rs. 1 lakh in profit by forging strategic partnerships and launching digital marketing campaigns.
- Coordinated “Cyber Save Hackathon” with MP Police, immersing 200+ participants in hands-on cybersecurity training.

## ADDITIONAL

**Additional Skills:** Leadership, Team Management, Communication, Negotiation, Strategic Planning

**Languages:** Fluent in Hindi, English

**Certifications & Training:** Online Course in Applied Machine Learning in Python – University of Michigan (Coursera), Dec 2023; Python Essentials – VITIyarthi, May 2023