Parv Daga

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Education

VIT Bhopal University	**Bhopal, Madhya Pradesh**
BTech	Oct 2022 – Oct 2026 (Expected)

Major: Computer Science; Minor: Artificial Intelligence & Machine Learning
Cumulative GPA: 8.45/10

Technical Skills

Full Stack: React.js | Next.js | Node.js | TypeScript | Supabase| Tailwind CSS | Express.js
Machine Learning: TensorFlow | CNNs | RNNs | NLP | Prompt Engineering | Langchain

Experience

Tuleip AI Solutions	**Indore, Madhya Pradesh**
Software Developer Intern (Remote)	Jan 2025 – May 2025

Tech Stack: React.js, Node.js, Python, n8n.io, LLM APIs, NLP tools
- Developed production-grade full-stack features using React.js and Node.js microservices, increasing system efficiency by 25%.
- Crafted user-focused UI/UX and automated workflows with Python and n8n.io, boosting video summarization speed 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%.

Projects

Travel Agency Payment Management System | *Next.js, React, Supabase, WhatsApp API*   **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.

Smart Object Detector (YOLOv8 + Voice Control) | *Python, OpenCV, SpeechRecognition, pyttsx3*   **Jan 2025**
- Built a real-time object detector with 95% accuracy, identifying objects by class and color.
- Integrated voice commands (Google Speech API) and text-to-speech feedback.
- Optimized YOLOv8 model to process 30 FPS with a confidence threshold of 0.5.
- Reduced false positives by 40% using multi-attribute verification.

Microtaskvault – Ai-Powered Saas Platform | *Next.js, Tailwind CSS, Supabase, ML*   **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 | *Python, NumPy, Matplotlib*   **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.

Co-Curricular Activities

Linux Club, President   **May 2024 – May 2025**
- Directed club strategy and spearheaded AdVITya 2024 & 2025 events, engaging 600+ participants.
- Drove Rs. 2 lakh revenue and Rs. 1 lakh profit through strategic partnerships and digital marketing.
- Coordinated "Cyber Save Hackathon" with MP Police, immersing 200+ participants in hands-on cybersecurity training.

Additional

Languages: Fluent in Hindi, English
Certifications: Online Course in Applied Machine Learning in Python – University of Michigan (Coursera), Dec 2023;