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: 8.32/10

12th Standard
Advanced Academy   Indore, Madhya Pradesh
CBSE   Percentage: 84%   April 2020 – Jun 2022

10th Standard
Advanced Academy   Indore, Madhya Pradesh
CBSE   Percentage: 87%   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 AdVITya 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 – VITyarthi, May 2023