

PAWAN SIMHA R

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PROFESSIONAL SUMMARY

Highly logical, pragmatic and practical Master of Computer Applications (MCA SGPA: **9.68**) student (BCA CGPA: **9.51**, Final Year SGPA: **9.82**) combining a strong cognitive approach to problem-solving with developed interpersonal intelligence. Experienced in building scalable APIs and machine learning pipelines, demonstrated through a successful ML internship at Netcraftz. Seeking to leverage strong foundational skills in Python, AI integration, and rational thinking to deliver high-impact software solutions.

EDUCATION

- **Master of Computer Applications (MCA) - Pursuing | 2025 – 2027**
Sapthagiri NPS University, Bangalore | SGPA: 9.68
- **Bachelor of Computer Applications (BCA) | 2022 – 2025**
Bapu Degree College, Bangalore | CGPA: 9.51
- **Pre-university (PUC) | 2020 – 2022**
Bapu PU College, Bangalore | 77%
- **10th SSLC | 2020**
St. Charles English High School | 80%

TECHNICAL SKILLS

- **Languages:** Python, Java, HTML, CSS, JS
- **Frameworks & Libraries:** Flask, NumPy, OpenCV, dlib, XGBoost, LightGBM, React, Tailwind CSS
- **Databases & Tools:** MongoDB, Git, GitHub, Docker, Postman, Power BI, Android SDK
- **AI/ML Domain:** Machine Learning Pipelines, Predictive Modelling, GenAI Integration (Google Gemini API), Prompt & Context Engineering

WORK EXPERIENCE

- **NETCRAFTZ - AI Machine Learning Project | Feb 2025 – May 2025**
Developed end-to-end ML pipelines in Python for customer behavior prediction. Utilized Scikit-Learn and ensemble methods to refine predictive models, reporting insights via Power BI dashboards.

PROJECTS

- **Hagrid! App - Universal Background Ad Silencer for Android**
Kotlin 2.0, Jetpack Compose, Android SDK, AudioManager API
Created a lightweight, zero-footprint background utility that automatically detects and silences audio ads on mainstream streaming platforms. Built a 100% local, privacy-first engine requiring no root access.
- **ReuniteAI - Biometric Missing Person Identification**
Python, Flask, dlib, OpenCV
Engineered a face recognition model utilizing dlib's deep residual network, achieving 99.38% accuracy in face matching.
- **CampusDrive - AI-Powered Academic Platform**
Python, Flask, Gemini API, MongoDB
Designed a robust monolith backend ecosystem with an AI Academic Copilot, achieving a 100/100 security audit score.
- **Portfolio Website - Personal Brand & AI-Optimized Platform**
Next.js 16, React 19, TypeScript, Tailwind CSS, Vercel, JSON-LD
Architected a production-grade glass morphism portfolio with GEO-first semantic structure, JSON-LD entity linking, and AI crawler optimization. Achieves 100/100 Lighthouse performance with 7 static routes and zero runtime dependencies.
- **ChurnGuard - AI Customer Analysis Engine**
Python, XGBoost, LightGBM, Power BI
Built a full-stack machine learning pipeline for telecom customer churn analysis using ensemble models and SMOTE.

CERTIFICATIONS

- **AI & Large Language Models:** Gemini Pro Masterclass (Gemini Academy), Gemini Certified Student (Google), Master GPT-4 & ChatGPT, OpenAI GPT-3 for Developers, Introduction to LLM (IBM), Prompt Engineering, Generative AI Unleashed
- **Machine Learning & Development:** Deep Learning for Developers, Generative Models for Developers, Modern AI Specialist (CISCO), AI Analysis: Customer Reviews (CISCO), Intel AI Appreciate, Python Essentials 1 (CISCO)
- **Cloud & Security:** BuildOn: Google Cloud (UnStop/Google), CyberOps Associate (CISCO)

LEADERSHIP & ACHIEVEMENTS

- **Student Head of BCA Department** - Led student initiatives, managed peer coordination, and organized major college events during second year of undergraduate studies.
- **Best Outgoing Student** of the Batch (2022-2025)
- **Student Head Coordinator – Yanthrika:** State Level Inter college IT Fest (SNPSU)
- **Participated** - Solution Challenge 2026 (Google Hackathon)