

PRAJWAL B S

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PROFESSIONAL SUMMARY

Entry-level AI/ML and Software Engineering enthusiast with hands-on experience in Python-based machine learning, computer vision, and AI projects. Currently expanding into Generative AI, RAG, AI agents, and workflow automation with n8n. Strong foundation in Python, SQL, machine learning, data analysis, and web technologies, with a focus on building practical AI-powered applications.

TECHNICAL SKILLS

Leadership: Team Leadership, Cross-functional Coordination, Communication, Documentation, Event Organization, Problem-Solving

Programming: Python, SQL, JavaScript, HTML, CSS

Machine Learning: Scikit-learn & ML Pipelines, Feature Engineering & Preprocessing, Pandas, NumPy & EDA, Classification & Regression, Model Evaluation, Ensemble Models (Random Forest, XGBoost)

Deep Learning: Deep Learning fundamentals, PyTorch (foundational)

Generative AI & LLMs (currently learning / foundational): Prompt Engineering, RAG Architecture, AI Agents & Tool Calling, Vector Databases & Embeddings, LangChain

AI Workflow Automation: n8n - building AI workflows and AI-powered website automations (currently learning)

Tools & Cloud: Git/GitHub, AWS (EC2, S3, IAM), Microsoft Azure

Other: Matplotlib, Adaptability

PROJECTS

Self-Driving Car - Neural Network Learning Project

Python | Neural Networks | Deep Learning | Computer Vision

AI-Based Network Intrusion Detection System

Python | Scikit-learn | Pandas | NumPy | Matplotlib

AI Marketplace Website with Intelligent Search Engine

HTML | CSS | JavaScript | Python | Android Studio

Virtual Eye-Tracking Mouse

Python | Computer Vision

PUBLICATIONS / RESEARCH

"Hybrid Intrusion Detection System with Adaptive Learning and Cryptographic Integration for Real-Time Secure Networks"

IEEE Pune Section | ICEC2NT 2026 | D Y Patil College of Engineering, Pune

- Authored a comprehensive research paper detailing novel cryptographic techniques applied to network intrusion detection, resulting in a 25% reduction in false positive alerts.

INTERNSHIP EXPERIENCE

Cloud Computing Intern | Codtech IT Solutions Pvt. Ltd., Hyderabad

- Completed a 6-week internship focused on learning core cloud concepts including compute, storage, and identity & access management.

Digital Media & Social Media Marketing Manager (Intern) | TWICLO

- Supported digital marketing campaigns through content creation, SEO, social media, and campaign performance reporting.

- Coordinated with teams and clients to deliver campaign activities and creative content.

CERTIFICATIONS

- Introduction to Artificial Intelligence

- Microsoft Azure Machine Learning Fundamentals

- Google AI Essentials - Google

- AI for Everyone - DeepLearning.AI / Coursera

- LangChain Academy: Introduction to LangGraph - LangChain

- Prompt Engineering - Anthropic Academy

- IBM AI Fundamentals - IBM SkillsBuild

- Test Automation Foundations

- Android Studio Essential Training

EDUCATION

Master of Computer Applications (MCA) | Jain University, School of Computer Science and IT, Jayanagar | 2025-2027

Bachelor of Computer Applications (BCA) - 82.5% | Jain College, Bengaluru City University

12th Standard - Pre-University Board - 70% | Vijaya Jr PU College, Bengaluru

10th Standard - State Board - 74% | Nalanda English School, Bengaluru

LEADERSHIP & ACHIEVEMENTS

- Head, BCA Forum "Cybotixx" - Jain College Vasavi Campus

- President, Epiphany (The English Forum) - Jain College Vasavi Campus

- Event Organizer and Photography/Video Editor for college club events and content