

# Prajwal M D

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## Professional Summary

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SAP UI5 / Fiori Developer at **Capgemini** (Aug 2025 – Present) with a strong foundation in full-stack development, cloud technologies and AI/ML. Experienced designing and delivering enterprise SAP Fiori applications, building backend services with ABAP and the SAP RAP model, and creating end-to-end SAP solutions using SAP Build and modern web frameworks. Comfortable working across the SAP full-stack (UI5, Fiori, RAP, ABAP), integrating APIs, automating business flows with tools like **n8n**, and collaborating with cross-functional teams to deliver scalable, user-centric enterprise applications.

## Education

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### Bachelor of Engineering in Computer Science

PES College of Engineering, Mandya  
CGPA: 8.43

June : 2025

### Higher Secondary Education

Board of Higher Secondary Education, Karnataka  
Percentage: 95.33%

May : 2021

### Secondary Education

Board of Secondary Education, Karnataka  
Percentage: 97.28%

May : 2019

## Technical Skills

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- **SAP / Enterprise:** SAP UI5, SAP Fiori, SAP RAP (ABAP RESTful Application Programming), ABAP, SAP Build, SAP Full-Stack Development
- **Programming Languages:** Python, R, C
- **Web & Full Stack:** React, Django, Flask, FastAPI, Streamlit, Full Stack Development
- **AI / ML:** NumPy, Pandas, TensorFlow, Keras, PyTorch, Scikit-Learn, OpenCV, LLMs, time-series modeling
- **Automation & Tools:** n8n, Git, Power BI, DAX, SQL, Excel, Azure, AWS, OpenAI, LiveKit
- **Other:** Blockchain, DevOps basics, Communication, Teamwork, Problem-Solving

## Certifications

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- **Microsoft Power BI Data Analyst Associate**  
Mastered Power BI tools for sophisticated data analysis, creating dynamic dashboards that deliver deep insights.
- **Microsoft Azure Data Fundamentals**  
Solidified understanding of core data concepts with a focus on implementing cloud-based solutions using Microsoft Azure services.

## Experience

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### **SAP UI5 / Fiori Developer** *Capgemini*

Aug 2025 - Present

- Designed and implemented SAP Fiori applications using SAP UI5, ensuring responsive, accessible, and performant user interfaces for enterprise users.
- Developed backend services using ABAP and the SAP RAP model to expose OData services and integrate with SAP S/4HANA systems.
- Built low-code/no-code flows with SAP Build and integrated them into end-to-end processes.
- Optimized application performance and improved user satisfaction through iterative UX improvements and code profiling.

### **Machine Learning Intern** *Wildfox Business Advocacy*

Feb 2025 - May 2025

- Extracted and integrated data from on-premise ERPs and cloud APIs, and built automated pipelines to power dynamic Power BI dashboards, enabling real-time business insights and informed decision-making.
- Developed and evaluated time-series forecasting models and an OpenAI-based ethnicity identifier service, leveraging machine learning and generative AI to drive predictive analytics and enhance demographic segmentation capabilities.

### **Data Analyst Intern** *KultureHire*

Jul 2024 - Sep 2024

- Analyzed the career aspirations of Generation Z by collecting, processing, and querying data with MySQL, ensuring data integrity and accuracy.
- Developed interactive dashboards in Power BI and managed data storage in Excel, providing actionable insights and enhancing data-driven decision-making processes.

### **Project Intern** *Aarushi Infotech*

Jan 2024 - Feb 2024

- Engineered a highly accurate PAN card detector utilizing OpenCV and Python, incorporating OCR for precise text extraction.
- Seamlessly integrated the detector into a complex application, significantly enhancing its functionality.

### **Student Intern** *RareMinds*

Jul 2023 - Sep 2023

- Designed and developed a responsive personal portfolio leveraging HTML, CSS, and JavaScript, complete with interactive project showcases.
- Conducted rigorous usability testing, iteratively refining the UI to optimize user experience.

## Projects

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### • **Block-LoRA: Blockchain-Enabled Federated Fine-Tuning of LLMs** *Python, LoRA, Solidity, Streamlit, FastAPI*

Designed a decentralized system for privacy-preserving fine-tuning of large language models using LoRA adapters, enabling multiple organizations to collaboratively train models without sharing raw data. Implemented a Proof-of-Validation mechanism to detect poisoning attacks before aggregation, with blockchain ensuring transparent and immutable audit trails. Developed an interactive Streamlit frontend for monitoring training rounds, validation results, and model updates.

- Ethnicity Detector** *Python, OpenAI, FastAPI, Ubuntu*  
 Developed an AI-powered service using OpenAI models to predict religion and mother tongue from a person's first name. Integrated the model into a production-ready FastAPI backend and deployed it on a client server for seamless internal access.
- Road Accident Safety Intelligence System** *Python, Machine Learning, SHAP, OpenStreetMap*  
 Built an intelligent safety analytics system to predict accident risk levels (Low/Medium/High) and generate explainable AI-driven insights using SHAP. Implemented route safety comparison, real-time safety scoring (0–100), and emergency response planning by identifying nearest hospitals and estimating ambulance ETAs using OpenStreetMap data, enabling proactive accident prevention and decision support.
- Stock Prediction and Trading Strategies** *Python, Scikit-Learn, Streamlit*  
 Developed a dynamic stock prediction system capable of predicting any stock's price and offering trading strategies for long-term investments. Achieved high accuracy with RMSE ranging from 0.5 to 1 depending on the stock. Applied for **patent (202441102921)** and submitted a **research paper for publishing**.
- Brain Age Prediction Using OpenBHB Dataset** *Python, TensorFlow, Scikit-Learn*  
 Built a predictive model to estimate brain age from neuroimaging data, achieving an R Square of 0.95, providing valuable insights into cognitive health and aging.
- Forest Fire Prediction** *Random Forest Regressor, Django*  
 Developed a forest fire risk prediction model with 94.5% accuracy, integrated into a Django application for proactive monitoring. Applied for **patent (202441102922)**.

## Achievements

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- Published Research Paper:** Shivashankar, S. K., Prajwal, M. D., Likith Raj, K. R., Tanya Priyadarshini, A. R., & Manvitha, S. M. (2024). Forest fire prediction using random forest regressor: A comprehensive machine learning approach. *International Journal of Innovative Science and Research Technology*, 9(9), 2143-2155. <https://doi.org/10.38124/ijisrt/IJISRT24SEP1290>
- Co-authored Book:** Dr. Vinay S, Dr. Umesh D R, & Prajwal M D (2023). *Front End Web Development*, Notionpress. ISSN: 48179-3. <https://notionpress.com/read/front-end-web-development>

## Certificates

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 [My Certificates on Google Drive](#)