

Prajwal M D

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Professional Summary

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

Bachelor of Engineering in Computer Science

PES College of Engineering, Mandyā

June : 2025

CGPA: 8.43

Higher Secondary Education

Board of Higher Secondary Education, Karnataka

May : 2021

Percentage: 95.33%

Secondary Education

Board of Secondary Education, Karnataka

May : 2019

Percentage: 97.28%

Technical Skills

- **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

• 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

SAP UI5 / Fiori Developer <i>Capgemini</i>	Aug 2025 - Present
<ul style="list-style-type: none">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 <i>Wildfox Business Advocacy</i>	Feb 2025 - May 2025
<ul style="list-style-type: none">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 <i>KultureHire</i>	Jul 2024 - Sep 2024
<ul style="list-style-type: none">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 <i>Aarushi Infotech</i>	Jan 2024 - Feb 2024
<ul style="list-style-type: none">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 <i>RareMinds</i>	Jul 2023 - Sep 2023
<ul style="list-style-type: none">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

Block-LoRA: Blockchain-Enabled Federated Fine-Tuning of LLMs <i>Python, LoRA, Solidity, Streamlit, FastAPI</i> 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.

- **Ethinicity 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

- **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

 My Certificates on Google Drive