

# Prajwal M D

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## Professional Summary

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Final year Computer Science student with a strong foundation in Data Science, certified in Power BI and Azure. Proficient in Python, R, and Machine Learning, with experience in delivering impactful projects. Seeking to apply technical skills to drive data-driven innovation in a dynamic team environment.

## Education

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### Bachelor of Engineering in Computer Science

PES College of Engineering, Mandya  
CGPA: 8.22

*Expected graduation: 2025*

### Higher Secondary Education

Board of Higher Secondary Education, Karnataka  
Percentage: 95.33%

*2021*

### Secondary Education

Board of Secondary Education, Karnataka  
Percentage: 97.28%

*2019*

## Technical Skills

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- **Programming Languages:** Python, R, C
- **Data Science:** NumPy, Pandas, Matplotlib, Seaborn, SciPy, Scikit-Learn, OpenCV, Keras, TensorFlow, PyTorch
- **Web Development:** Django, Flask, Streamlit, Full Stack Development
- **Tools:** Power BI, DAX, SQL, Excel, Azure, Blockchain
- **Soft Skills:** Communication, Teamwork, Problem-Solving, Time Management

## 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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### Data Analyst Intern

Jul 2024 - Sep 2024

*KultureHire*

- 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

Jan 2024 - Feb 2024

*Aarushi Infotech*

- 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

Jul 2023 - Sep 2023

*RareMinds*

- 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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- **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** and submitted a **research paper for publishing** on this project.
- **Brain Age Prediction Using OpenBHB Dataset** *Python, TensorFlow, Scikit-Learn*  
Built a predictive model to estimate brain age from neuroimaging data, achieving an RMSE of 1.5. This project provides 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** to protect the innovation behind the model.
- **Website Traffic Analysis** *Python, Jupyter Notebook*  
Conducted in-depth analysis of website traffic data, providing actionable insights to enhance content strategy and user engagement.
- **T20 World Cup Cricket Data Analytics** *Python, Web Scraping, Power BI*  
Compiled and analyzed cricket data, developing a Power BI dashboard to optimize team selection with a 90% predicted success rate.

## 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](#)