

PRAJWAL M D

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SUMMARY

Currently pursuing my 6th semester in Bachelor of Engineering in Computer Science, I am actively seeking opportunities in the domain of Data Analysis and Data Science. Certified by Microsoft in Power BI and Azure Data Fundamentals, with additional Cisco Data Analytics credentials and a track record of executing real-life projects, I am eager to contribute to collaborative team projects and gain hands-on experience in this field.

EDUCATION

CGPA 8.43, Bachelor of Engineering, Computer Science, PESCE Mandya (Expected graduation 2025)

12, 96%, Board of Higher Secondary Education, Karnataka (2021)

10, 97%, Board of Secondary Education, Karnataka (2019)

TECHNICAL SKILLS & TOOLS

- Python, R, NumPy, Pandas, Matplotlib, Seaborn
- SciPy, Scikit-Learn, Keras, OpenCV, PyTorch, TensorFlow
- Django, Flask, Streamlit
- Power BI, DAX, SQL, Excel
- Blockchain, C, Full Stack Web Development, Azure

ACHIEVEMENTS

- Microsoft Power BI Data Analyst Associate
Earned Power BI Data Analyst Associate certification, showcasing proficiency in leveraging Power BI tools for insightful data analysis and visualization. Demonstrated ability to transform raw data into actionable insights, driving informed decision-making processes.
- Azure Data Fundamentals
Earned the Azure Data Fundamentals certification, demonstrating foundational knowledge of core data concepts and how they are implemented using Microsoft Azure data services. Exhibited proficiency in working with relational and non-relational data.

EXPERIENCE

Project Intern

01/2024 - 02/2024

Aarushi Infotech

- Developed a PAN card detector using OpenCV and Python, implementing OCR for accurate text extraction.
- Ensured high detection accuracy by training and fine-tuning the model on a diverse PAN card dataset, while collaborating with senior developers to integrate it into an existing application.

Student Intern

07/2023 - 09/2023

RareMinds

- Created a responsive personal portfolio using HTML, CSS, and JavaScript, with interactive features like a project gallery.
- Conducted usability testing and refined the user interface to improve the overall user experience.

PROJECTS

Plant Disease Detection – Image processing [Keras | OpenCV | TensorFlow | Streamlit]

- Developed a model to detect plant diseases with high accuracy.
- Utilized Keras, OpenCV, and TensorFlow to build and train the model, achieving an accuracy of 98.8%. Deployed the model using Streamlit for an interactive web interface.
- The model effectively identifies plant diseases, aiding in early detection and prevention

Forest Fire Prediction – Machine learning [Random Forest Regressor | Django]

- Predicted forest fire confidence using machine learning techniques.
- Implemented a Random Forest Regressor with validation via RandomizedSearchCV, achieving an accuracy of 94.07%. Used Django to create a web application for deployment.
- The prediction model helps in assessing and mitigating the risk of forest fires, supporting preventive measures.

Website Traffic Analysis – Data analysis [Python | Jupyter Notebook]

- Analysed website traffic data to identify the most popular articles and categories.
- Processed and analysed data from a CSV file containing session size and start features using Python in Jupyter Notebook. Generated insights to guide content strategy by highlighting the most-read articles and categories.
- Provided actionable insights for content creation, enabling the production of more articles on popular topics to engage readers effectively.

Sales Insights – Brick & motor business [Power BI | SQL]

- Designed a Power BI dashboard to understand the company's hardware goods sales trend.
- The final dashboard was effective at displaying the sales trend of the company, allowing users to understand the data and make informed decisions.
- This dashboard could help in increasing the revenue at least by 7% in the next quarter.

T20 world cup cricket data analytics – Cricket Analysis [Python | Web Scrapping | Pandas | Power BI]

- Created a Power BI report to identify top 11 players for a T20 cricket team by scrapping data from espncriinfo with a Brightdata website tool, cleaning and transforming the data with pandas, and evaluating various player performance metrics.
- Used the resulting Power BI dashboard to select players for various categories (openers, middle order/ anchors, finishers, all-rounders, specialist fast bowlers) and ultimately choose the top 11 players to play in the match.
- Selected team using the Power BI dashboard has 90% of chances to win the game.

Loan disbursement analysis – Loan Analysis [Power BI | Excel]

- A bank wanted information regarding the loan distribution practices of its officers.
- I created a dashboard that showcases monthly loan disbursements over last 6 months, disbursements per loan officer, and a portfolio at risk metric with KPI visuals highlighting overdue payments exceeding 30 days. This dashboard allows for detailed breakdowns by branch, product, and loan officer.
- With this dashboard was able to pinpoint areas where certain loan officer may require additional support or where branches might need process improvements.

Revenue and Customer Ageing analysis - Ageing Analysis [Power BI | Excel]

- The company seeks to understand customer ageing by analysing the duration over which unpaid accounts have accrued.
- With this dashboard I created a net revenue alongside revenue pending from unpaid customers. As there was a deduction column allowed me to the calculation of net profit. The ageing report was segmented into intervals of < 30 days, 30-60days, 90-180days, >180days categorized by customer and region for clarity.
- This report shows customers who tend to delay payments and improves facilitating targeted strategies to reduce outstanding balances and improve cashflow.

EXTRAS

Access all my certificates here: [link](#)