

Prabhas Bhat

B.Sc. Data Science (Honors), RV University
Bengaluru, Karnataka - 560070

+91-9481131351

prabhasbhat2@gmail.com

GitHub link

LinkedIn Profile

EDUCATION

- JSS Public School** *Bangalore, India*
10th CLass (CBSE) *CGPA: 9.8 / 10*
- RV PU College** *Bangalore, India*
Pre-University College (PUC) *86%*
- RV University** *Bangalore, India*
B.Sc.(Honours) Data Science *CGPA (Upto 6th Sem): 8.76 / 10*

INTERNSHIPS

- eClinicalWorks** *Bangalore, India — View Letter*
On-Site Internship: Data Analytics Intern (HBI Team) *Jan 2018 – May 2018*
 - Worked 3 days/week (Wed–Fri), 2 PM–11 PM shift as part of the HBI team.
 - Learned SQL concepts including joins, aggregation, and query optimization.
 - Created analytical and visualization reports using IBM Cognos eBO Suite in Report Studio and Query Studio.
 - Assisted in building data-driven dashboards and performing ad-hoc data queries.
- RV University: Centre for Innovation & Entrepreneurship** *Bangalore, India — View Certificate*
Online Internship – Infosys Springboard Platform *July 2024 – Aug 2024*
 - Completed structured cybersecurity courses on Infosys Springboard covering core security concepts, threats, and defense mechanisms.
 - Learned CIA triad, secure design principles, OWASP Top 10 basics, malware types, encryption, IDS/firewalls, and incident response.
 - Gained hands-on exposure through Capture The Flag (CTF) challenges on PicoCTF and Hack The Box.
 - Practiced vulnerability identification, ethical hacking fundamentals, and security tooling workflows in guided environments.

VOLUNTEER EXPERIENCE

- Youth for Parivartan** *View Presentation*
Community Volunteer – Environmental & Public Space Revitalization *Feb 2025 – Mar 2025*
 - Participated in community-driven initiatives focused on environmental conservation and public space improvement.
 - Contributed to government school beautification activities including cleaning, scrubbing, and painting classrooms and walls.
 - Assisted in government college campus revitalization projects including painting sidewalks and quadrangle walls.
- Yuva Bangalore Trust** *Bangaluru, India*
Volunteer – Child Education & Community Service *Mar 2025*
 - Helped prepare and distribute fruit salad and food items across multiple locations during community service drives.
- Sri Mahalakshmi Old Age Home** *Bangaluru, India*
Volunteer – Elderly Care & Social Support *Apr 2025*
 - Engaged with elderly residents, offering companionship and emotional support.
 - Donated food and clothes and assisted with day-to-day support activities at the center.

CERTIFICATIONS

• Japanese Language Proficiency Test (JLPT) – N5, N4

[View Certificates](#)

Japan Foundation

PROJECTS

• Steam Reviews Sentiment Classification

[GitHub Link](#)

MLP model to classify reviews as positive/negative using NLTK + TF-IDF + Flask

- Preprocessed text with tokenization + stopword removal.
- Trained binary classifier (MLP) and deployed with Flask.
- Used Pickle for serialization and TF-IDF vectorizer objects.

• NutriSync – AI-Powered Health & Fitness Web App

[GitHub Link](#)

Full-stack Flask + MongoDB app with AI chatbot and Chart.js visualizations

- Built user dashboards to log fitness metrics and view progress charts.
- Integrated Groq API chatbot for AI-powered health guidance.
- Designed RESTful routes with Flask and custom UI with JS + CSS.

• Forest Fire Image Classification

[GitHub Link](#)

Deep Learning (CNNs) with TensorFlow + OpenCV preprocessing

- Classified “Fire” vs “No Fire” images using CNNs on real datasets.
- Compared models on FLOPS, parameters, and accuracy.
- Addressed data imbalance with balanced validation sets.

• Flight Operations Analysis Dashboard

[GitHub Link](#)

Power BI dashboard on airline flight performance and delays

- Built interactive Power BI dashboards to analyze flight volume, delays, cancellations, and on-time performance.
- Used DAX measures to compute KPIs such as cancellation rate, on-time arrival and average delay by airport.
- Analyzed trends by airline, airport, state, month, and day of week using slicers and drill-downs.
- Delivered business insights on peak delay periods, high-risk airports, and seasonal flight patterns.

• Big Data Analysis on Clash of Clans

[GitHub Link](#)

Distributed data processing using Apache Spark and Hive on GCP

- Analyzed a large-scale Clash of Clans clan dataset (3.56M+ records) to study clan distribution and league behavior.
- Implemented aggregation queries using multi-node Apache Spark on Google Cloud Platform and single-node Apache Hive.
- Compared execution time and performance between distributed and non-distributed systems.
- Demonstrated scalability benefits of Spark for large data workloads.

• Capstone Project (Ongoing)

[GitHub Link](#)

OCR for Electoral Roll Data using Multimodal LLM-based document understanding

- Developing an end-to-end system to extract structured voter information from scanned electoral roll PDFs.
- Implementing image preprocessing, layout detection, and cell-level segmentation for accurate text extraction.
- Comparing two approaches: Image Processing + OCR (Tesseract, Cloud OCR) vs Image Processing + Multimodal LLMs.
- Using YOLO-based detection and LLM-assisted post-processing for multilingual text correction and field extraction.
- Structuring extracted data into relational formats for downstream analysis, validation, and visualization.

TECHNICAL SKILLS

Languages: Python, JavaScript, HTML/CSS

Frameworks: Flask, Streamlit, TensorFlow, Keras

Libraries: OpenCV, NLTK, Scikit-learn, Chart.js

Databases: MongoDB, PostgreSQL

Analytics & BI: Power BI, DAX, Power Query

Dev Tools: Git, GitHub, VS Code, Google Cloud Console

Core Areas: Full-Stack Web Development, Machine Learning, Deep Learning, NLP, Computer Vision, Data Visualization, Business Intelligence, Big Data Analytics, Distributed Computing

PROFILE SUMMARY

Data Science undergraduate with strong experience in Python, machine learning, and data analytics. Built and deployed ML models for sentiment analysis and image classification using Flask, TensorFlow, and NLP techniques. Experienced in designing interactive Power BI dashboards using DAX for business insights and performing large-scale data analysis using Apache Spark and Hive on Google Cloud Platform. Skilled in data preprocessing, distributed computing, and full-stack application development. Seeking roles in ML Engineering, Data Analytics, or AI-Enabled Full-Stack Development.