

NITHISH GOWDA BR

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PROFESSIONAL SUMMARY

Engineer skilled in Python, Data Science, and Machine Learning with hands-on experience in building data-driven ML systems. Proven ability to deliver impactful AI solutions with measurable results..

EDUCATION

Bachelor of Engineering — Artificial Intelligence and Data Science

Dec 2021 – May 2025

Maharaja Institute of Technology Thandavapura, Mysore

CGPA: 8.2

Pre-University Course — PCMB

July 2019 – June 2021

MASVS Gurukula pre university college , Mysore

Percentage: 81%

Secondary School Leaving Certificate

June 2018 – March 2019

Om Srinikethana English medium High School ,srirangapatana

Percentage: 85%

SKILLS

Programming Languages : Core Python

Databases : **SQL:** Extensive knowledge in SQL queries, CRUD operations, Joins and Sub-queries, Grouping and Functions, Views and Pseudo Columns, SQL Statements, Normalization, Window Functions

Data Visualization : **Power BI:** Data import from multiple sources, Data Cleaning and Transformation with Power Query, Data Modelling, DAX, Interactive Reports.

Microsoft Excel: Data Cleaning, Pivot Tables, Lookups and Reference Functions, Power Query Editor, Data Transformation

Frameworks : scikit-learn, Pandas, NumPy, Matplotlib, Seaborn

Tools : Git, GitHub Actions, XAMPP, MySQL

Concepts : Machine Learning

Soft Skills : Communication, Leadership, Decision Making, Multi-tasking, Active Learning

INTERNSHIPS

DevOps Engineer Intern

Sep 2024 – Feb 2025

Rooman Technologies

Remote

- Automated CI/CD pipelines using GitHub Actions to streamline deployment and minimize manual errors.
- Managed Docker-based deployments on AWS EC2, ensuring scalability and reliable server performance.
- Integrated Prometheus and Grafana for real-time monitoring and system performance tracking.

AI/ML Intern

Nov 2023 – Dec 2023

Quantum Learners

Remote

- Built ML models achieving **85%+** accuracy for classification tasks on datasets.
- Cleaned and prepared data for model training using Python libraries such as Pandas, NumPy, and Scikit-learn.
- Presented analytical insights to mentor and team members, supporting project direction and adoption.

PROJECTS

Heart Disease Prediction Using Machine Learning — *Python, scikit-learn, XGBoost, Random Forest*

- Trained 3 classification models (Logistic Regression, Random Forest, XGBoost) on **1,000+ patient records**.
- Constructed a hybrid ensemble model that improved accuracy to **98.53%**, outperforming individual models.
- Conducted cross-validation and confusion matrix analysis, improving the F1 score by **15%**.
- Real-time predictions enabled through the CLI interface, reducing the diagnosis delay in demos by **60%**.
- Deployed model insights in a report-based format, reviewed by 2+ domain mentors.

Pediatric Glaucoma Detection System — *TensorFlow, CNN, Gradio, ACRIMA Dataset*

- Developed a CNN model using ACRIMA dataset, achieving **96.88% accuracy** in pediatric glaucoma detection.
- Processed and cleaned **1,400+ fundus images**, optimizing the training pipeline and reducing model error by **22%**.
- Designed and deployed a Gradio Web App with **500+ user visits**, offering results, medication suggestions, and hospital recommendations.
- Enhanced clinician support by including educational content and a list of the top 5 hospitals.
- Validated model sensitivity/specificity with performance metrics shared in the technical presentation.

Online food ordering system — *HTML, CSS, JavaScript, PHP, MySQL, Bootstrap*

- **Developed a complete online food ordering system with database integration for managing customers, orders, menus, and payments efficiently .**
- Designed a real-time dashboard that displays
- **CRUD operation enabled for Built an online food ordering system with database support, managing 100+ records securely with admin authentication and activity logging**
- Improved UI/UX with a Bootstrap-based layout, increasing user task efficiency by **40%**.

CERTIFICATIONS

- [Introduction to Data Science – Infosys Springboard](#)
- [Data Science Foundations – Google Great Learning](#)
- [python for datascience – Infosys Springboard](#)
- [SQL Bootcamp – Lets Upgrade](#)

LANGUAGES

English (professional), Kannada (native), Hindi (conversational).