GOKUL RAJ

Agricultural Engineering · Data Analyst · AI Enthusiast

📍 Pondicherry, India – 605009 | 📞 +91 8807844079 | ✉ gokul2005.08.3@gmail.com |
🔗 - github.com/gokul2005083-source

PROFESSIONAL SUMMARY

Dynamic Agricultural Engineering undergraduate and Data Analyst with dual expertise in precision agriculture and advanced data science. Strong foundation in farm machinery, irrigation systems, and sustainable agriculture combined with hands-on experience in Python, SQL, and Power BI. Proven ability to design and deliver actionable insights through data pipelines and interactive dashboards. Passionate about integrating agri-tech innovations with data-driven decision making to enhance agricultural productivity and sustainability.

TECHNICAL SKILLS

- **Programming:** Python, SQL, Pandas, Matplotlib, Seaborn, Basic C, Git

- **Data & Analytics:** Power BI, Excel, Power Query, Data Pipelines, Predictive Analytics

- **AI / ML:** Machine Learning, Deep Learning, ChatGPT, Claude AI, Gemini, NotebookLM

- **Agricultural Engineering:** Irrigation System Design, Soil & Water Conservation, Precision Agriculture, Farm Machinery, Protected Cultivation, Organic Farming, Greenhouse Technology, Beekeeping, Mushroom Cultivation

EDUCATION

B.Tech in Agricultural Engineering
Perunthalaivar Kamarajar Institute of Engineering & Technology, Pondicherry, India

2022 – 2026 (Expected)

INTERNSHIP EXPERIENCE

Data Analytics Intern
Novitech R&D Pvt Ltd, Pondicherry | 2024

- Designed and delivered interactive Power BI dashboards enabling real-time business performance monitoring.

- Conducted trend analysis and comparative studies to extract actionable business insights.

- Built end-to-end data pipelines for cleaning, transforming, and visualizing raw datasets.

- Collaborated with cross-functional teams to present data-driven recommendations to stakeholders.

Agricultural Engineering Intern
ICAR – Krishi Vigyan Kendra, Puducherry | 2023 – 2024

- Gained hands-on exposure to sustainable farming systems and organic cultivation techniques.

- Assisted in field-level implementation of precision agriculture tools and smart irrigation systems.

- Participated in farmer education initiatives and rural extension outreach programs.
- Supported crop management, greenhouse operations, and soil health monitoring activities.

AI & ML RESEARCH PROJECTS (SELF-INITIATED) | 2023 – PRESENT

- Developed supervised and unsupervised machine learning models for real-world datasets.
- Applied deep learning techniques for predictive analytics and pattern recognition.
- Experimented with large language model tools (ChatGPT, Claude, Gemini) for automation workflows.

KEY PROJECTS

- **Book Sales Data Analysis:** Sales trend analysis and visualization using Python, Pandas, and Matplotlib.
- **Tamil Artists Streaming Analysis:** Streaming pattern analysis using Python and Seaborn with comparative dashboards.
- **Amazon Prime Content Analysis:** Global content distribution and genre analysis using Power BI.
- **COVID-19 Analytics Pipeline:** End-to-end data pipeline with predictive modeling and interactive visualizations.
- **Top 10 Popular Bikes Dashboard:** Interactive Power BI dashboard featuring KPIs, slicers, and comparison visuals.

CERTIFICATIONS

- IBM Data Fundamentals – IBM
- Gemini Certified University Student – Google
- AI is Revolutionizing Every Field – Online Platform
- Microsoft Power BI Certifications – Microsoft
- Data Visualization Certification – Online Platform

WORKSHOPS

- ICAR Agricultural Training Programs
- Savishkar National Workshop – R.V. College of Engineering
- Agricultural Innovation & Sustainability Programs

STRENGTHS

- Field-Level Agricultural Knowledge
- Modern Farming Systems
- Farmer Communication Skills
- Team Collaboration