

Gaurav G Alva

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Summary

Final-year B.E. CSE (Data Science) graduate with hands-on experience in **machine learning, data analytics, and generative AI**, backed by an internship at Take It Smart (OPC) Pvt. Ltd. where I built end-to-end ML projects and interactive dashboards. Proficient in **Python, SQL, Power BI, and Scikit-learn**, with project experience spanning predictive modelling, and process automation.

Technical Skills

Languages	Java, Python, C, PostgreSQL, MongoDB
Frameworks	Django, Streamlit, Docker, Git & GitHub, Linux, Figma
AI / ML	Scikit-learn, Numpy, Pandas, Google ADK, Hugging Face
Analytics	Power BI, Tableau, Hadoop
Cloud	Google Cloud Platform (GCP)

Experience

Data Science Intern Feb 2026 - May 2026
Take It Smart (OPC) Pvt. Ltd.

- Built a **Customer Churn Prediction** model (Python, Scikit-learn) using classification algorithms to identify at-risk customers and support retention strategies
- Developed a **Health Insurance Cost Regression** model with feature engineering and statistical analysis to predict premiums accurately
- Implemented an **Image Classification** pipeline using **CNNs and Deep Learning**, demonstrating proficiency in model architecture design and training
- Designed **interactive Power BI dashboards** to surface model outputs as business insights for stakeholder decision-making
- Extracted, cleaned, and preprocessed structured datasets using **SQL** for end-to-end ML pipelines

Vice Chair, IEEE ComSoc SB Jan 2025 - Jan 2026
IEEE VCET Student Branch

- Spearheaded an industry-connect exhibition with **200+ participants**, bridging students and industry professionals
- Delivered hands-on workshops on **Git & GitHub** (100+ students) and **Streamlit** (30+ participants)

Projects

Web-Based Automatic Timetable Scheduler 🔗 shiksha-samaya
◦ Genetic algorithm-based system generating conflict-free timetables; reduced faculty/course conflicts by **95%** and improved scheduling efficiency by **30%**
◦ **Stack:** Python · Streamlit · SQL · Genetic Algorithm

PatrSrijan — Certificate Generation Automation
◦ Automated certificate generation & email delivery, reducing manual work by 95% from 2 hours for 100 certificates to under 5 minutes
◦ **Stack:** Django · Python · Google Cloud · Google APIs · HTML/CSS

Education

B.E CSE in Data Science **GPA: 8.67 / 10.0** Sept 2022 - May 2026
Vivekananda College of Engineering and Technology, Puttur

Relevant Coursework

Cryptography	Data Structures	AI & ML
Database Management Systems	Operating Systems	Gen AI - RAG
Design & Analysis of Algorithms	Big Data Analytics	UI/UX Design

Certifications

Oracle Data Platform Certified Foundations Associate Aug 2025
Oracle OCI AI Foundation Associate Certified Aug 2025
Google Cloud Prompt Design in Vertex AI Aug 2025