JAGANATH M.

Full-Stack-Developer
https://dev-jagan.github.io/

Email:heyjagn@gmail.com

Mobile: 9380220334
Hebbal,Bangalore, IN

EDUCATION

KNS Institute of Technology | Link
B.Tech in Artificial Intelligence & Machine Learning – 6.2 CGPA

Bangalore, India
2021 – 2025

WORK EXPERIENCE

Self Employed | FutrDroid_Ai | Link　　　　　　　　　　　　　　　　　　　　　　　　**Apr 2022 – Present**
 • Developed and deployed **various applications** for real-world users; actively building and maintaining multiple projects(students resources sharing app, family locator, dating app, cv builder, scientific calci,pdf audio ebook reader, all internet mp3,mp4 video downloader and many more).
 • Started building apps in **1st year of engineering**, focusing on solving real student and user problems; began publishing apps from **6th semester** onward.
 • Integrated cloud technologies like **Firebase, Supabase, SQL, NoSQL, Postgresql** (Auth, Realtime DB, Storage,chating,leadboard etc) and **Google Cloud** for scalable, data-driven app experiences.
 • Implemented features like **file handling, user interactions, real-time updates, and offline suppor, ads, payments, subscriptions** across different apps.
 • Continuously improving app UI/UX, performance, and accessibility to deliver practical solutions at scale.
 • With combine of all apps currently with fully organic users with 0/no marketing got 10k+ installs.
 • How My APPS Works. **Link**

Self Employed | Qumatsu.com (Desktop Optimize) | Link　　　　　　　　　　　　　　**Jan 2024 – Present**
 • Built full-stack features using Next.js, TypeScript, Firebase, and Google Drive API
 • Implemented Google OAuth authentication**, Razorpay payment integration**, and **Openai tts functionality**
 • Collaborated with cross-functional teams to design scalable, cloud-native systems and optimize performance using Firebase and Google Cloud tools
 •Managed app deployment, backend optimization, and maintained continuous delivery pipelines

Self Employed | PassAnyWay.com | Link　　　　　　　　　　　　　　　　　　　　　**Mar 2024 – Present**
 • Built full-stack features using **Next.js**, **TypeScript**, **Firebase**, and **Google Drive API**.
 • Implemented **Google OAuth**, **Razorpay payments**, and an **dashboard, uploaded 1500+ resources in hierarchy**.
 • Designed responsive UI components using Tailwind CSS, shadcn/ui, and React Hook Form with Zod validation.
 • Implemented community features including leaderboards, posts, comments, and user contribution tracking.

BangaluruRides – Cab Rental Web App | Personal Project for Family Business| Link　　**Nov 2023 – Apr 2025**
 • Built a full-stack application using ReactJS, Node.js, and Firebase for cab booking, and whatsapp order redirect from site.
 • Designed and implemented fare calculation and order management to streamline operations.
 • Supported my father's and associates' cab services, enabling easier customer acquisition and scheduling.
 • Added a QR Code behind seat but still interaction or no orders from real customers due to that Project quited

FinHub – Stock Market Dashboard | Link   **June 2023 – Jan 2024**
- Developed a React-based dashboard integrating financial APIs to deliver live market data and interactive charts.
- Designed features for portfolio tracking and stock trend analysis to support informed investment decisions.
- Project paused during college due to competitive market landscape and lack of team/investor support one by one each member quited.

Sales and Operations Coordinator | INFINITI Inc | Link   **Dec 2020 – Dec 2021**
- Managed sales through offline & online channels like Flipkart, Amazon.
- Used Zoho Books and Excel for payment processing, invoices, and inventory.
- Coordinated goods transport and acted as liaison between customers and vendors. (Worked to save funds for further education before pursuing AI/ML studies; cleared CET and secured admission at KNSIT.)

INTERNSHIPS

Wadhwani | Link   **Oct 2024 - Jan 2025**
- Strengthened communication, emotional intelligence, and leadership skills for personal professional growth.
- Gained practical exposure to CRM, AI, IoT, digital marketing, and career advancement techniques.

Global Core Tech | Link   **Oct 2023 - Nov 2023**
- Worked on the 'Order Prediction' ML project.
- Utilized data science methods to derive insights and improve forecasting.

Indian Tech Key | Link   **Nov 2022 – Nov 2022**
- Completed a 4-week internship as a first-year student.
- Worked with tools such as MIT App Inventor, TinkerCAD, Python, Arduino IDE.
- Gained experience in Robotics and Firebase integration.

PROJECTS

Image-to-Speech GenAI Tool Using LLM | Annual Main Project | 8th sem | Link   **Oct 2024 – May 2025**
- AI-powered tool that converts images into short audio stories.
- Combines image captioning, story generation, and text-to-speech in one pipeline.
- Uses Hugging Face (BLIP, VITS), Gemini API, and LangChain for integration.
- Deployed on Streamlit and Hugging Face Spaces for easy user access.

Recommendation System – Similarity Metrics Analysis | Annual Main Project |6th sem | **2024**
- Developed a collaborative filtering system to predict user preferences from historical data.
- Compared similarity metrics (Cosine, Pearson, Jaccard, Euclidean) for impact on accuracy.
- Identified optimal methods for various data scenarios through evaluation and analysis.
- Strengthened skills in recommender systems and data-driven decision making.

Helmet Detection System Using Deep Learning | Annual Main Project | 4th sem   **2023**
- Built a real-time helmet detection system using YOLO (v3/v4/v5) and CNNs for industrial safety monitoring.
- Ensured high accuracy under poor lighting, occlusions, and varying angles.
- Deployed lightweight models on edge devices for fast, reliable inference.
- Improved compliance and safety through automated visual monitoring.

Criminal Database Management System (Python Desktop Application) | Annual Main Project | 2nd sem | [Link](#)   2022
- Created a Python-based desktop app with Tkinter for managing criminal records.
- Integrated full CRUD operations with a clean, intuitive GUI.
- Used SQLite3 for secure, efficient local database storage.
- Simulated real-world data management with a focus on usability and performance.

SKILLS SUMMARY

Development: Mobile/Web App Development, Full-Stack Development, Secure-Payments Integration, databases Integration, API Integration, Google Cloud Functions, Architecture,Product Planning/ Designing Reverse Engineering.

Tools & Technologies: Android Studio,Flutter, Expo, Capacitor, Pycharm, VS Code, Git & GitHub, Firebase, supabase, Django, mangodb, postgresql (Firestore, Realtime DB, Auth, Storage), N8N Automation, AI Agents bots/chat. Google Cloud Platform, Jupyter, jetpack compose, node.js, vite, next.js, Notebook, Power BI, Microsoft Office 365, AI Tools.

Data & AI: LLM, Hugging Face, Transformers, Agents, Data Engineering, Data Cleaning, Data Analytics, Data Visualization, Model Deployment.

Programming Languages: Python, Java, kotiln, Dart, HTML/CSS, JavaScript, TypeScript.

Other Skills: Product Development, End-to-End Payments, Problem Solving, Technical Support, Communication, Project Management, User-Centric Design, Sales Process Understanding.

Personal Summary

- Highly adaptable, quick to learn new tools, software, or programming languages within 2–3 days, and able to applying them to company-specific needs and **Ready to Join Immediately**.
- Thrive in fast-paced environments, embracing challenges with ownership, problem-solving mindset, and commitment to delivering results under pressure.
- Available to join immediately and ready to prove skills by completing your most challenging task before hiring.