

BYRE GOWDA S K

Python Full Stack Developer | Flask · MySQL · REST APIs · AI Integration

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PROFESSIONAL SUMMARY

Python Full Stack Developer with hands-on experience building and deploying AI-powered web applications using Flask, MySQL, JavaScript, REST APIs, and the Groq AI API. Delivered three end-to-end products spanning secure authentication, database design, API integration, and AI-driven insight generation. Skilled at translating business requirements into scalable, MVC-structured full stack applications.

TECHNICAL SKILLS

Languages & Frameworks: Python, SQL, JavaScript, HTML5, CSS3, Flask, Bootstrap

AI, APIs & Databases: Groq AI API, REST APIs, MySQL, SQLite

Libraries: Chart.js, Pandas, NumPy, Plotly, Flask-Mail, ReportLab

Core Concepts & Tools: OOP, MVC Architecture, Authentication & Authorization, Database Design, Git, GitHub, Agile, SDLC

PROFESSIONAL EXPERIENCE

Full Stack Python Intern — JRM Infotech

January 2026 – February 2026

- Built and deployed 3+ responsive full stack modules using Python, Flask, HTML, CSS, and MySQL, covering the complete request lifecycle from UI to database.
- Implemented complete CRUD functionality for core application features, enabling reliable create, read, update, and delete operations for end users.
- Debugged and resolved 20+ frontend and backend issues, including UI inconsistencies, broken queries, and validation errors, improving application stability and usability.
- Collaborated with senior developers during code reviews, testing, and Git-based version control workflows while following Agile development practices.

PROJECTS

AI Excel Analyst

github.com/ByregowdaSK/Excel-Analyst

- Built an AI-powered Excel/CSV analysis application that automates data cleaning, analysis, and visualization; included secure Flask/MySQL authentication with session-based access control.
- Engineered Excel/CSV upload, preview, validation, and preprocessing pipelines with Pandas and NumPy to support multiple file formats and dataset sizes.
- Designed interactive Plotly dashboards and integrated the Groq AI API to generate natural-language insights and answer user queries from uploaded datasets.

AI-Based Career and Skill Gap Analysis System

github.com/ByregowdaSK/Ai_career_intelligence

- Built an AI-powered platform that parses uploaded resumes, benchmarks candidate skills against target job roles, and recommends personalized career paths.
- Integrated a real-time AI chatbot for career Q&A alongside a Chart.js analytics dashboard; automated downloadable PDF career reports using ReportLab.

AI-Powered Habit Tracker with Intelligent Productivity Assistant

github.com/ByregowdaSK/AI-Habit-Tracker

- Developed an AI-powered habit tracking application with secure Flask-Mail authentication (email verification, password reset) and full CRUD for habits.
- Integrated the Groq AI API for personalized productivity tips and built an analytics dashboard visualizing daily, weekly, and monthly habit completion rates.

EDUCATION

Bachelor of Computer Applications (BCA) — Christ College of Science and Management

2023 – 2026

CGPA: 7.77

Higher Secondary Education — BGS PU College (EBAC's)

2021 – 2023

78.6%

CERTIFICATIONS

Data Analytics using Power BI — Rats Technologies

Artificial Intelligence Fundamentals — IBM SkillsBuild

Customer Engagement: Communication & Personality Dynamics — IBM SkillsBuild

Digital 101 Journey — FutureSkills Prime (NASSCOM)

LANGUAGES

Kannada (Fluent) | English (Fluent) | Telugu (Fluent) | Hindi (Intermediate)