SRINATH K

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PROFILE

AI-ML student with a strong foundation in software development and expertise in Python, SQL, and Data Science. Passionate about leveraging technology to solve complex data problems and transform raw data into actionable strategies.

TECHNICAL SKILLS

- **Databases**: MySQL, RDBMS
- **Programming Languages**: Python (Pandas, NumPy, Scikit-learn), SQL, Kotlin, C
- **Data Analytics**: Exploratory Data Analysis (EDA), Data Modelling, Regression analysis
- **Business Intelligence**: Power BI
- **Machine Learning**: Supervised & Unsupervised Learning, Classification, Regression Model, Clustering
- **Statistical Analysis:** Hypothesis Testing, p-Value, Confidence Intervals, A/B testing
- **Data Visualization:** Seaborn, Matplotlib
- **Soft Skills**: Problem-Solving, Communication, Teamwork, Time Management, Critical Thinking, Creativity, Leadership.

EXPERIENCE

VTU Internship in Innovation and Entrepreneurship

Duration: [September 2024 - December 2024]

- Developed innovative solutions using **Generative AI** and **API integrations**.
- Built real-world applications with **ChatGPT APIs** and **Python**.
- Designed **workflows** to enhance productivity and automate processes.
- Created AI-driven prototypes combining **AI technologies** with entrepreneurial approaches.

Mobile App Development Internship

Organization: JSS Academy of Technical Education (JSSATE)

Duration: [June 2022 - August 2022]

- Designed and developed a mobile app using **Android Studio** and **Java**.
- Built **user-friendly interfaces**, **integrated APIs**, and optimized performance.
- Implemented features like **Push Notifications** and attempted **Google AdSense** integration.
- Ensured seamless user experience with best practices in **development, debugging,** and **testing**.

PROJECTS

J.A.R.V.I.S – Voice-Controlled Personal Desktop Assistant

- Developed a voice-controlled desktop assistant inspired by **J.A.R.V.I.S** using **SpeechRecognition, pyttsx3, and OpenAI API.**

- Implemented custom command logic for opening websites and playing music from a predefined library.

- Integrated **GPT-4** for intelligent, context-aware responses, enhancing user interaction.

- Ensured robust error handling for reliable performance in varied environments.

Padh.AI – Cross-Platform Education App (Group Project)
- Tools/Technologies: Langchain, FAISS, Firebase, Google OAuth, GPT-3.5 Turbo, Deepgram, OpenAI Embeddings, MySQL.

- Contributions: Led backend development for a cross-platform education app, implementing RAG for context-based learning, secure authentication, and optimized database management.

EDUCATION

INSTITUTES	PERCENTAGES/CGPA
Jss Academy of Technical Education (Expected *Grad 2025*)	7.0 CGPA
Narayana PU College (*Grad 2021)*	83%
Christ Academy CBSE School (*Grad 2019*)	80%

CERTIFICATIONS
- Mobile App Development (May 2024)
- Google AI-ML Developer (Jun 2024)
- Python for Data Science (Nov 2023)

ACHIEVEMENTS

- Achieved qualification for the **second round of Smart India Hackathon**, demonstrating strong problem-solving and innovation skills.

- Participated for Python's workshop for two consecutive days.

- Handled multiple events across Bangalore and participated as a volunteer