Namilakonda Rahul

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PROFESSIONAL SUMMARY

- Junior Machine Learning Engineer with 2+ years of experience in **Flutter development** and hands-on skills in **Python, Fast API, SQL, NOSQL, GCP (CLOUD) and Data Preprocessing**. Worked in a fast-paced startup environment at 90Heal, contributing to AI-driven solutions for student mental health.

EXPERIENCE

- **90Heal (Still I Rise Tech Pvt Ltd) - AI-Driven Mental Health + Ed-Tech Startup**   Hyderabad, India
  T-Hub Full Stack Developer   *Dec 2023 – Present*
  - **Gen AI RAG Pipeline Implementation**: Led the integration of a Retrieval-Augmented Generation (RAG) pipeline for personalized mental wellness recommendations using Gen AI, improving accuracy by 30%.
  - **Cross-Platform App Development**: Architected and developed a cross-platform mobile app using Flutter, connected to Firebase and GCP backend services, enabling personalized wellness tracking for 10,000+ students.
  - **Applied Psychology and Behavioral Science**: Integrated applied and behavioral psychology models within the application using Gen AI, Chain of Thought (CoT) reasoning, and Zero-shot prompting. Introduced audio-based chat features for better user interaction.
  - **Cloud Infrastructure and Data Pipelines**: Optimized Google Cloud Platform (GCP) resources and BigQuery for data analytics, reducing cloud costs by 25% and improving data efficiency.
  - **Collaborative Leadership**: Managed a team comprising developers and psychologists, fostering collaboration, code reviews, and agile methodologies for continuous improvement and timely delivery of projects.

PROJECTS

- **AQI Dashboard - Real-time & Historical Air Quality Insights — Github**
  Python + Streamlit Dashboard Project
  - **Description**: Developed a **comprehensive air quality monitoring dashboard** providing real-time AQI data, historical insights, and forecasting across global cities with **interactive visualizations and pollutant analysis**.
  - **Key Features**: Real-time AQI monitoring, 7-8 day forecasts, dominant pollutant analysis, historical data exploration, rich visualizations with charts and heatmaps, multi-city support.
  - **Tech Stack**: Python, Streamlit, Pandas, Plotly, Air Quality APIs, Data Visualization, Statistical Analysis.

- **vibeZ - Cross-Platform Music Application — Github**
  Flutter + FastAPI Project
  - **Description**: Developed a **cross-platform music player** (Android, iOS, Web) with a **minimal UI, offline-first support, and async backend**, designed for scalability, personalization, and smooth performance.
  - **Key Features**: Cross-platform support, personal music library, playlist creation, JWT-based authentication, real-time streaming with Cloudinary, offline support.
  - **Tech Stack**: Flutter (frontend), FastAPI (async backend), SQLAlchemy, PostgreSQL/SQLite, JWT Auth, Cloudinary (media storage).

EDUCATION

- **Swami Vivekananda Institute of Technology**   Telangana, India
  *Bachelor of Technology in Computer Science and Engineering - **First Class with Distinction*** *July 2019 – June 2023*
  - **Courses**: Artificial Intelligence, Machine Learning, Cloud Computing, Data Structures

TECHNICAL SKILLS

- **Programming**: Python, SQL, Dart

- **ML/AI**: Langchain, LangGraph, LangSmith, Scikit-learn, Pandas, NumPy, Scipy, Statsmodels, PyTorch, Data Preprocessing, Feature Engineering, RAG Pipelines, LLMs, Prompt Engineering, Deep Learning, Supervised, Unsupervised Learning.

- **Data Analysis**: Statistical Analysis, Data Mining, Exploratory Data Analysis

- **Visualization**: Seaborn, Plotly, Matplotlib, Looker Studio

- **Databases**: PostgreSQL, MySQL, Firestore (NoSQL), BigQuery,

- **Cloud & Dev**: Google Cloud Platform (Vertex AI, BigQuery, Cloud Functions), Firebase, AWS, FastAPI, REST APIs, Flutter, SQLAlchemy, Microservices Architecture, MLOps

- **Other Tools**: Git, Jira, Streamlit

- **Specialized Skills**: Chain of Thought Reasoning, Zero-shot Learning, Hyperparameter Tuning, Model Selection

CERTIFICATIONS & CO-CURRICULAR ACTIVITIES

- **Certified Data Scientist and AI/ML**: SupervisedLearning.com, October 2025

- **Certified Python Programmer**: Cisco, March 2022

- **Winner and Second Runner Up at Paper Presentation**: Anurag & VJIT, March 2022

- **Event Organizer at Technical Fest**: Secunderabad, India   Dec 2020 Organized events, conducted technical seminars, workshops, competitions, and seminars reaching over 100-120 developers.

- **Student Mentor at SVIT**: Secunderabad, India   Jan 2019 Conducted online and offline technical training sessions, impacting over 100-120 students.

- **Short Film Animation**: Secunderabad, India   Annual Day 2020 Created animations using Adobe Photoshop and After Effects for a college short film.

- **Sports Achievements**: Carrom Board Champion, Kho-Kho Runner-Up during college.