Benedict Antony S

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Education

RV University, B.Tech in Computer Science and Engineering in Aiml (Hons), Minor in Bioinformatics, Bengaluru, India — Aug 2023 – Present
cgpa:8.74

ST Anthony's PU College, Science (PCMB), Bengaluru, India — Aug 2021 – Mar 2023
percentage:95.5%

Skills

Programming Languages: C, C++, Python, Java, SQL

Machine Learning & Deep Learning: TensorFlow, Keras, scikit-learn, NumPy, Pandas, Matplotlib, Seaborn, Plotly, OpenCV

Databases: MongoDB, MySQL, Firebase

DevOps & System Tools: Docker, GitHub Actions, CI/CD Pipelines, Bash Scripting, Postman, Linux CLI

Operating Systems: Windows 11, Ubuntu, Fedora, Arch Linux; experience with dual boot, package management (apt, dnf, pacman), and system recovery

Cloud Platforms: AWS (EC2, S3, IAM, Lambda – basics), Google Cloud Platform (Compute Engine, Cloud Storage)

Data Analytics & Visualization: Microsoft Excel (Pivot Tables, Charts), Python's pandas and plotly

Productivity & Development Tools: Git, GitHub, Jupyter Notebook, Visual Studio Code, Microsoft Office, Google Workspace

Areas of Keen Interest: Machine Learning, Deep Learning, Bioinformatics, Data Science, Quantum Computing,Computational Biology

Languages

- English
- Tamil
- Hindi
- Kannada
- German (Basic)

Projects

Stock Price Prediction using LSTM — Jan 2025 – Feb 2025

- Designed and trained an LSTM-based deep learning model to forecast stock prices using historical time-series data.
- Implemented data preprocessing, normalization, and performance evaluation using Python, TensorFlow, Pandas, and NumPy.

Plant Health Monitoring System (IoT + ML) — Jan 2025 – Feb 2025

- Built an IoT-based system to monitor plant health using environmental and sensor data.
- Applied machine learning techniques to identify plant stress and health conditions.
- Enabled real-time data transmission and visualization for smart agriculture use cases.

Environmental Monitoring System — Jan 2024 – Mar 2024

- Designed a WiFi-enabled environmental monitoring system to collect CO_2, temperature, humidity, and GPS data.
- Enabled remote access and trend analysis for registered devices using real-time data transfer.

Face Recognition System using OpenCV — Jan 2025 – Feb 2025

- Developed a computer vision application to detect and validate images containing at least 50% facial content.
- Utilized OpenCV and Python for face detection and image processing pipelines.

Achievements

Cell Growth Prediction using Deep Learning

- Research Paper got accepted in CCIC Conference held in Andhra Pradesh,India.
- Designed and implemented a deep learning model to predict cellular growth patterns using biological datasets.
- Performed data normalization, feature extraction, and neural network training for accurate predictive analysis.
- Integrated bioinformatics principles with machine learning techniques for computational biology applications.
- Project Demonstration Video: Click here

Organizations

RUDRA, Tech Team, RV University, Bengaluru, India Jan 2024 – March 2025

- Member of a Data Science Club focused on providing research and solutions to real-life scenarios through data analytics.