Aishruth Pradeep

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EXPERIENCE

Neewee Data Analytics   **July 2025-January 2025**

Software Development Intern   *On-Site*

- Collaborated with the **Algorithm team** to refactor and optimize core code, which significantly improved processing speed and overall system efficiency by 23% using multithreading for Scheduling.
- Created a Namespace management portal so that the DevOps team could automate Kubernetes lifecycle operations on Google Kubernetes Engine (GKE), reducing a complex, command-line process for the DevOps team into a single-click action.

   o **Stack:** Python, Flask, HTML, CSS, Javascript, Machine Learning

EDUCATION

BNM Institute of Technology   **July, 2026**
Computer Science Engineering (B.E.)   *Bengaluru, KA*

- **GPA: 8.95** (Was Creative Lead & Committee Member of the Q-Quotient Quiz Club, Member of the RPA Club ,Nexus Developers club and the TechIT Coding Club)

Bangalore International Academy   **March, 2022**
CBSE, till Class 12   *Bengaluru, KA*

- 84% (Worked on a Library Management System and participated in Inter-School MUNs)

Innisfree House School   **May, 2020**
ICSE , till Class 10   *Bengaluru, KA*

- 95% (Organized various Literature fests, took part in Quizzing, Debates and was a core member of the Cricket Team)

PROJECT EXPERIENCE

AI-Powered Financial Analysis and Predictor Dashboard   **Oct. 2024 – Dec. 2024**

- Developed a Flask Web Application which analyzed and predicted the stock price for the input ticker symbol
- Real-time stock analysis with Yahoo Finance API, sentiment analysis via VADER and NewsAPI, trend indicators (SMA, RSI, MACD), and risk metrics (Sharpe ratio, beta, VaR)
- Interactive candlestick charts with buy/sell signals using Plotly and 5-day price predictions via a Linear Regression ML model.
   o **Stack: Python, Flask, HTML/CSS(front-end), VADER Sentiment Analysis, InsightSentryAPI**

Discord Bot for Emotion-Driven Sentiment Analysis   **May. 2024 – July. 2024**

- Created a Python Discord bot using VADER Sentiment Analyzer to detect and respond to user emotions like happiness, sadness, anger, and anxiety.
- Delivered tailored messages with media (e.g., cute images) for enhanced emotional support and engagement.
   o **Stack: Python, Discord API, VADER Sentiment Analyzer, HuggingFace Transformer API**

CERTIFICATIONS, SKILLS & INTERESTS

- **Certifications:** Udemy courses on Python, Web Development and Data Science, RH D0180 Introduction to OpenShift
- **Skills :** Python, Java, Data Structures, HTML, CSS, JavaScript, Flask, MongoDB, Machine Learning, SQL, Apache NiFi, Generative AI , NumPy, Pandas, Plotly, Matplotlib, Leadership, Problem Solving, Adaptability
- **Interests :** Football, Cricket, Gym, Finance, Podcasts