Sivalanka Manhar Abraham

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Profile Summary

Seeking a Machine Learning Engineer position in a reputable organization where I can leverage my skills in data science and machine learning to drive innovation and solve complex problems.

Proficient in machine learning algorithms and techniques, including supervised and unsupervised learning, deep learning, and natural language processing. Experience using Python for data analysis and modeling, with hands-on experience in libraries such as scikit-learn, TensorFlow, and PyTorch. Demonstrated ability to manage end-to-end machine learning projects, from data collection and preprocessing to model deployment and evaluation. Strong background in data visualization and interpretation, with skills in tools such as Jupyter Notebook and Matplotlib. Committed to continuous learning and staying up-to-date with the latest advancements in machine learning and AI technologies.

Education

Kallam Haranadhareddy Institute of Technology **Nov 2021 – May 2025**
Bachelor of Technology in Computer Science, ***CGPA:*** *8.1* *Guntur, Andhra Pradesh*

Bhashyam Junior College **2019 – 2021**
Higher Secondary Education (Class XII), ***Percentage:*** *81%* *Guntur, Andhra Pradesh*

St. Ignatius E.M High School **2018 – 2019**
Secondary School Education (Class X), ***CGPA:*** *9.7* *Guntur, Andhra Pradesh*

Relevant Coursework

- Data Structures
- Software Methodology
- Algorithms Analysis
- Database Management
- Artificial Intelligence
- Internet Technology
- Machine Learning
- Computer Networks

Projects

Customer Churn Prediction — *Machine Learning, Deep Learning, Python, Jupyter Notebook, Anaconda* **Jun 2024**
Developed a customer churn prediction model using machine learning and deep learning techniques.

Utilized Python, Jupyter Notebook, and Anaconda for data preprocessing, feature engineering, and model training.

Employed logistic regression, decision trees, and neural networks to optimize prediction accuracy.

Implemented evaluation metrics such as ROC-AUC, precision, recall, and F1-score to assess performance.

Malaria Detection using CNN — *Deep Learning, TensorFlow, OpenCV, Python* **Aug 2024**
Built a CNN model to classify malaria-infected blood cell images with high accuracy.

Used TensorFlow and OpenCV for image preprocessing and model training.

Optimized model architecture and hyperparameters to enhance detection efficiency.

Conducted performance evaluation using accuracy, precision, recall, and F1-score.

Certifications

NPTEL Swayam: Joy of Computing using Python - Silver Badge, Internet of Things (IoT) - Silver Badge, Developing Soft Skills and Personality - Elite

AICT EduSkills Internships: Altair Data Science Master, Google Android Developer, Palo Alto Cyber Security

SMART BRIDGE: Salesforce Developer Virtual Internship

Technical Skills

Languages: Python, Java, C, HTML/CSS, SQL

Developer Tools: VS Code, Jupyter Notebook, Android Studio

Technologies/Frameworks: Machine Learning, Power BI, Tableau, GitHub, WordPress, Linux