AARATHISREE BALLA

✉ aarathisree.1535@gmail.com in linkedin.com/in/aarathisree ⏺ github.com/Aarathi1535
Ⓗ hackerrank.com/profile </> leetcode.com 📞 +91 9381481266 🎓 google-scholar

EDUCATION

Pragati Engineering College   **Sept 2022 - May 2026**
B. Tech in Computer Science & Engineering (Data Science) : CGPA = 9.43   Andhra Pradesh, India

Shirdi Sai Vidyaniketan   **2020 - 2022**
Senior Secondary Education - CBSE: Class XII = 98.4%   Andhra Pradesh, India

International Indian School - Al Jubail   **2020**
Secondary Education - CBSE : Class X = 93.2%   Al Jubail, Saudi Arabia

EXPERIENCE

TaraConnect 🗗
Full Stack Developer   February 2025 - April 2025
- Led the end-to-end development of a Django-MySQL application , enabling 850+ brand-influencer collaborations and reducing onboarding time by 40% through real-time dashboards and secure workflow optimization.

Society for Data Science 🗗
Project and Research Intern   April 2024 - October 2024
- Developed an AI-powered automated answer evaluation system, improving grading efficiency by 80%.
- Fine-tuned evaluation logic for structured answer processing using OCR + prompt engineering.

Infosys Springboard 🗗
Python Developer Intern   April 2024 - June 2024
- Developed a cheque processing pipeline using OpenCV and OCR, delivering 96% accuracy.
- Automated SQL ingestion for 1000 records/month with a 35% drop in manual errors.

PROJECTS

ForgeryNet 🗗 | *Django, SQLite3, HTML, CSS, JavaScript, ResNet, OCR*
- ∗ Engineered a Django-based web application for automatic forged document detection, utilizing a ResNet deep learning model to achieve 85%+ classification accuracy.
- ∗ Leveraged Tesseract OCR and OpenCV to enhance text extraction and preprocessing, boosting verification accuracy and efficiency by 30%.

CropXpert 🗗 | *Python, Machine Learning, Flask, Power BI, Deep Learning , HTML, CSS, JavaScript*
- ∗ Orchestrated a full-stack AI-driven platform integrating Decision Tree & Random Forest models.
- ∗ Integrated pest detection using ResNet, achieving 93.5% accuracy, helping farmers optimize crop selection.

TrustRank - Algorithm 🗗 | *Python, VADER Sentiment (NLP), Machine Learning, Streamlit*
- ∗ Created a trust-aware review ranking algorithm leveraging NLP, helpfulness, and time decay, outperforming traditional methods with a 0.93 Spearman correlation to ground truth rankings.

TECHNICAL SKILLS

Programming Languages & Principles: Python, Java, C, SQL, Data Structures & Algorithms, OOPs
Frameworks & Databases: Flask, Streamlit, Django, MySQL, MongoDB
Machine Learning & AI: Pandas, Numpy, Scikit-Learn, Matplotlib, Data Science, Gemini AI, OpenCV
Tools & Technologies: Git, VS Code, Power BI, HTML, CSS

PUBLICATIONS

IEEE PuneCon 2024 International Conference – Published "Revolutionizing the Future of Automated Subjective Answer Sheet Evaluation System with Machine Learning and LLMs." 🗗

CERTIFICATIONS

- NPTEL IIT Madras : Python for Data Science(Elite)
- NPTEL IIT Madras : The Joy of Computing using Python(Elite+Silver)
- Salesforce : Certified AI Associate

LEADERSHIP / EXTRACURRICULAR ACTIVITIES

- Recipient of Merit Certificate for Academic Excellence.
- Campus Mantri at GeeksforGeeks (Aug 2024 - April 2025)
- Student Volunteer at Society for Data Science
- Contributor to Open-Source Projects: Hacktoberfest 2024, GirlScript Summer of Code 2024