

AARATHISREE BALLA

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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

EXPERIENCE

Society for Data Science

Project Link

Project and Research Intern,

April 2024 - October 2024

- Developed an AI-powered automated answer evaluation system, improving grading efficiency by 80%. - *Demo Link*
- Trained Gemini 1.5 Pro models for OCR-based text recognition, achieving 86.5% accuracy.
- Contributed to an IEEE research paper on AI-based grading systems.

Infosys Springboard

Project Link

Python Developer Intern

April 2024 - June 2024

- Designed an Automated Bank Cheque Extraction System leveraging OpenCV, OCR, Tkinter, and Python.
- Built an Automated Bank Cheque Extraction System using OpenCV and OCR, improving processing speed by 50%.
- Implemented a secure SQL-based pipeline for automatic data validation and storage.

Virtual Internships

- Generative AI Virtual Internship at Google Cloud [July - September 2024]
- Google AI-ML Virtual Internship at Google for Developers [April - June 2024]

EDUCATION

Pragati Engineering College

2022 - 2026

B. Tech in Computer Science & Engineering (Data Science) : CGPA = 9.4

Andhra Pradesh, India

Relevant Coursework: Data Science, DBMS, Operating Systems, Computer Networks, Data Mining

PROJECTS

AgriCure | *Python, Machine Learning, Flask, Power BI, Deep Learning* — *Demo Link*

Project Link

- Developed 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.

AI Chatbot for ease of Grievance Redressal | *Python, Artificial Intelligence*

Chatbot Link

- Designed an AI chatbot with structured flowchart-based logic, reducing manual workload by 70%.

Graduation Admission Predictor | *Python, Machine Learning, Streamlit, Power BI*

Project Link

- Built a predictive tool using Machine Learning & Streamlit to forecast student admissions.
- Integrated a Power BI dashboard for real-time admission trend analysis.

CERTIFICATIONS

- NPTEL IIT Madras : Python for Data Science(Elite) , The Joy of Computing using Python(Elite+Silver)
- Salesforce : Certified AI Associate
- Hackerrank: Problem Solving (Basic & Intermediate) and Python & Java (Basics)
- ServiceNow : Micro Certification

PUBLICATIONS

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

LEADERSHIP / EXTRACURRICULAR ACTIVITIES

- Recipient of Merit Certificate for Academic Excellence.
- Campus Mantri at GeeksforGeeks (Aug 2024 - Present)
- Student Volunteer at Society for Data Science
- Competitive Coding Conclave Participant : IIT Madras Summer School
- Attended Python for Data Science & AWS AI Deployment Workshops by Brainovision
- Contributor to Open-Source Projects: Hacktoberfest 2024, GirlScript Summer of Code 2024