

Ananya B Shetty

Roll No.: 1KG21EC006

Bachelor of Engineering in ECE

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GitHub Profile

LinkedIn Profile

INTRODUCTION

Final-year Engineering student with strong hands-on experience in **Core Java, Web Development (HTML, CSS, JavaScript)**, and **Oracle SQL and Python Automation**. Skilled in designing responsive web applications and managing cross-functional projects. Recognized for attention to detail, problem-solving skills, and the ability to collaborate in fast-paced environments. Eager to contribute technical and project management expertise to software and development teams.

EDUCATION

- Bachelor of Engineering in Electronics and Communication Engineering

2021-25

K.S. School of Engineering and Management, Bangalore

CGPA: 8.64

- Pre-University Course, Science (PCMB)

2019-21

SMMRV PU College, Bangalore

Percentage: 93.5

- ICSE X Board

2018-19

Aradhana Academy, Bangalore

Percentage: 87

TECHNICAL SKILLS AND INTERESTS

Programming Languages: Core Java, Python, C

Web Development: HTML, CSS, JavaScript, Bootstrap

Database & Data Engineering: Oracle SQL, Azure Databricks, DBT (Data Build Tool), Data Preprocessing, Data Validation & Quality Checks (QC), SQL Query Optimization, RLHF Dataset Workflows

Tools & Technologies: Python Automation, Git & GitHub, Excel (Advanced), Flask (Basic), Pandas, Jupyter Notebook

Areas of Interest: Data Analytics, Software Development (SDE), Web Development, Project Management, AI/LLM Data Operations

Soft Skills: Adaptability, Attention to Detail, Problem Solving, Self-Learning, Communication & Presentation, Time Management

Volunteering & Leadership: NSS Co-Ordinator, Rotaract Member, College Cultural Fest Co-Ordinator

EXPERIENCE

AI DATA CURATION AND RLHF INTERN | SKYPOINT AI

- Engaged in data collection, curation, and labelling to support model training for AI systems. Performed extensive Quality Checks (QC) and Data Validation on structured and semi-structured healthcare datasets, ensuring accuracy and completeness with healthcare data standards.
- Developed DBT (Data Build Tool) models for healthcare benefits data, including staging, cleaning, transformations, and documentation, improving data reliability for downstream BI and AI pipelines.
- Wrote and optimized SQL queries for profiling, cleaning, joining, and validating sensitive healthcare data, maintaining consistency across data sources such as benefits datasets. Worked with Azure Databricks to preprocess large volumes of data using SQL, handling missing values and schema mismatches tasks.
- Contributed to RLHF pipelines by refining and curating datasets used for training and evaluating AI/LLM models—focused on label correctness, metadata cleanup and annotation consistency.
- Automated time-consuming manual validation tasks using Python scripts, reducing repetitive effort and improving QC efficiency for the data engineering team and collaborated with AI/Data Engineering teams to ensure high-quality, training-ready data.

FRONTEND DEVELOPER INTERN | PYGENICARC

- Developed a frontend educational website using HTML, CSS, JavaScript, Bootstrap with the website offering 10+ categorized study materials and interactive quizzes, improving user engagement for school students. Integrated interactive features such as downloadable PDFs and topic-based assessments.

PROJECT MANAGEMENT INTERN | RitikaYourHealthCoach

- Assisted in website QC, bug reporting, and UI/UX issue tracking and supported project timeline management, coordination, and social media content planning.

PROJECTS

Student Database Management System (Major Project)

A web-based system designed for efficient student record management with secure database integration. Developing a comprehensive student record management system with secure database integration. Features include role-based access, a clean UI, and integration with cloud storage for data security.

Technology Used: Python, Flask, SQL Alchemy, HTML, CSS.

Personal Portfolio Website (Live Project)

A fully responsive and modern portfolio website showcasing my projects, skills, achievements, and professional journey. Designed with a clean UI, updated regularly, and hosted live via GitHub Pages for easy access.

Technology Used: HTML, CSS, JavaScript.

Live Link: <https://ananyabshetty.github.io/myPortfolio/>

German Bot- Your German Teacher (Hobby Project)

An AI chatbot that teaches German through conversation—translation, corrections, vocabulary practice, and pronunciation guidance. Integrated NLP-based text processing and LLM responses to deliver personalized learning support for beginners deployed the project on Replit for public access.

Technology Used: Python, NLP, Flask, Google Gemini API, HTML, CSS, JavaScript.

Live Link: [Germanbot - Chatbot](#)

AI-Powered Symptom Checker (Hackathon Project)

An AI chatbot providing preliminary diagnosis suggestions based on user symptoms. Utilized machine learning models trained on healthcare datasets to analyze symptoms and provide relevant health insights.

Technology Used: Python, NLP, Flask, Google Gemini, CORS.

HACKATHONS:

- **8-Hour Hardware Hackathon at KSIT College:** Built an Arduino Obstacle Avoiding Car that follows a black line and categorizes patients into critical, stable, and monitoring-required states, providing doctors with detailed counts in the healthcare system.
- **24-Hour Software Hackathon:** Developed an AI-Powered Symptom Checker app that uses AI to provide preliminary diagnostic suggestions based on symptoms.