

# Ananya B Shetty

Roll No.: 1KG21EC006

Bachelor of Engineering- ECE

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GitHub Profile

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## 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

K.S. School of Engineering and Management, Bangalore

2021-25

CGPA: 8.64

### Pre-University Course, Science (PCMB)

SSMRV PU College, Bangalore

2019-21

Percentage: 93.5

### ICSE X Board

Aradhana Academy, Bangalore

2018-19

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), ETL Pipelines, 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:** Team Collaboration, Attention to Detail, Problem Solving, Adaptability, Self-Learning, Communication & Presentation, Time Management

**Volunteering & Leadership:** NSS Volunteer (Teaching at Government School), Teaching Intern (Science), Rotaract Member (2022–23), College Cultural Fest Coordinator

## EXPERIENCE

**AI DATA CURATION AND RLHF INTERN | SKYPOINT AI**- Engaged in data collection, curation, and labeling to support model training for AI systems. **Performed extensive Quality Checks (QC) and Data Validation** on structured and semi-structured healthcare datasets, ensuring accuracy, completeness, and compliance 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 claims, providers, and benefits datasets. **Worked with Azure Databricks** to preprocess large volumes of data using Python and SQL, handling missing values, schema mismatches, and normalization tasks. **Contributed to RLHF pipelines** by refining and curating datasets used for training and evaluating AI/LLM models—focused on label correctness, response ranking, 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. **Collaborated with cross-functional AI and Data Engineering teams**, ensuring data readiness for model training and improving the accuracy of AI outputs in a healthcare-regulated environment.

**FRONTEND DEVELOPER INTERN | PYGENICARC** - Gained hands-on experience in Frontend web development, using HTML, CSS, and JavaScript and developed an educational website that provides study materials for school students. Also got selected as the Student Intern for the company. Worked on enhancing the website's UI/UX and integrating additional learning resources.

**PROJECT MANAGEMENT INTERN | RitikaYourHealthCoach**- Assisted in quality checking and issue tracking for the website under development, helping the development team resolve bugs and UI/UX gaps. Assisting with social media strategies and content planning and Managing project timelines and coordinating with team members.

## 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, SQLAlchemy, HTML, CSS.

### Educational Website (Internship Project)

A structured website (frontend) offering categorized study materials and quizzes for students, enhancing online learning- Developed an educational 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.

**Technology Used:** HTML, CSS, JavaScript, Bootstrap.

### AI-Powered Symptom Checker (Hackathon Project)

An AI-driven chatbot that provides preliminary medical diagnosis based on user-input symptoms- Developed an AI-powered chatbot that processes symptoms provided by users and gives preliminary diagnosis suggestions. 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.