

# MOUKTIK DASARI

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## Summary

Final-year Electronics and Communication Engineering student with a strong interest in building practical, real-world solutions using modern technologies. Experienced in developing AI-powered applications and participating in competitive hackathons, earning recognition for innovative problem-solving. Passionate about learning, adapting to new challenges, and contributing to impactful projects across domains like database systems, mobile applications, and cloud platforms.

## Education

**Sreenidhi Institute of Science and Technology, Ghatkesar**

B.Tech, Electronics & Communication Engineering

• GPA: 7.91

**2021 - 2025**

Hyderabad, India

## Skills

- **Languages:** Python, SQL, Java, HTML, CSS, JavaScript
- **Libraries & Frameworks:** Numpy, Pandas, Scikit-learn, Streamlit
- **Tools:** GitHub, Android Studio
- **Soft Skills:** Team Work, Adaptability, Time Management

## Experience

**Virtusa**

**Jun 2025 - Present**

*Intern-Technology*

*Hyderabad, India*

- Engineered a Generative AI solution to automate the migration of Sybase databases to Oracle by deploying a finetuned LLM that achieved 100% conversion accuracy from T-SQL to PL/SQL, reducing manual effort and potential for errors.
- Developed and deployed a full-stack web application using a finetuned Gemini AI to provide instant, on-demand conversion of Sybase T-SQL to Oracle PL/SQL, enhancing database modernization projects.

## Projects

**AI-Powered Database Migration Tool**

**Jun 2025 - Jul 2025**

- Built and deployed a full-stack web application powered by a Finetuned Gemini API Model to automate Sybase T-SQL to Oracle PL/SQL conversion, streamlining legacy database modernization.
- Implemented Authorization, AI-based SQL Conversion, Migration History Tracking, and Deployment Logs to enhance functionality, security, and traceability in the database migration tool.

**YouTube Video Summarizer**

**Oct 2024**

- Built a web app to extract YouTube transcripts and generate structured notes using Google Gemini AI.
- Implemented transcript extraction, prompt-based summarization, and a user-friendly interface with Streamlit for easy input and output visualization.

**Sonar Rock vs Mine Prediction**

**Jun 2024**

- Built a logistic regression model to classify sonar signals as rocks or mines, improving underwater object detection for maritime safety.
- Implemented data preprocessing, feature selection, model training, and performance evaluation using accuracy, precision, recall, and F1 score.

**Personal Portfolio**

**May 2024**

- Designed and developed a personal portfolio website to showcase projects, skills, and achievements.
- Built with HTML and CSS, ensuring a fully responsive layout for mobile and desktop devices.

## Certifications

- **Google Android Developer (Jul 2024 - Sep 2024):** Gained hands-on experience in Android app development using Android Studio. Explored Android components and frameworks to build functional mobile apps, while applying best practices for performance optimization and debugging.
- **Palo Alto Networks Cybersecurity (Apr 2024 - Jun 2024):** Learned about modern cyberthreats, attack techniques, and defense strategies. Studied the Zero Trust model, cyberattack lifecycle, and methods for effective threat detection and prevention.
- **AWS Academy Cloud Foundations (Dec 2023 - Feb 2024):** Acquired foundational knowledge of cloud computing through AWS services. Gained practical experience in configuring compute, storage, and networking resources, and practiced migrating applications to the AWS cloud environment.

## Achievements

- **Virtusa Jatayu Season 4 Winner (May 2025):** Secured 1st place by developing a Generative AI-based tool for automated SQL conversion from Sybase T-SQL to Oracle PL/SQL using the Google Gemini API. Focused on real-time, accurate migration for database modernization.
- **Centle Project 360 Hackathon Second Runner-Up (Oct 2024):** Achieved 3rd place for building a YouTube video notes generator. The tool extracts transcripts and generates structured notes using Python and Streamlit for enhanced content summarization.