

# Bhumika T

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## Professional Summary

Passionate about solving meaningful problems through technology, eager to learn fast, collaborate effectively, and contribute to impactful engineering teams.

## Education

### B.E. – Information Science and Engineering

Nov 2023 – 2027

Siddaganga Institute of Technology

CGPA: 8.98

### Class 12 – PCMB

July 2022

BGS PU College

96%

## Technical Skills

**Languages:** C, C++, Java, JavaScript, Python

**Core Subjects:** OS, OOP, DBMS, DSA, Computer Networks, Compiler Design

**Web Development:** HTML, CSS, React.js, Express.js, Node.js

**Database & Hosting:** MongoDB, MySQL, Vercel

**Developer Tools:** VS Code, Git, GitHub, Postman

## Projects

### SilenceSpeaks – ISL Translator

GitHub

**Tech Stack:** React.js, Three.js, Flask, spaCy, MediaPipe, MongoDB

- Built a real-time ISL translator supporting gesture-to-text/speech and text/speech-to-sign.
- Integrated a 3D avatar using Three.js for natural and accessible ISL representation.
- Developed a scalable multilingual backend using Flask/FastAPI.

### Customer Support Ticket Classifier & Auto-Responder

GitHub

**Tech Stack:** Python, Flask, Hugging Face, scikit-learn

- Built an NLP classifier to categorize tickets into Billing, Technical, and Security issues.
- Created an AI auto-response system to reduce manual workload.
- Packaged the solution as a lightweight Flask module for easy integration.

### CarRent – Car Rental Management System

GitHub

**Tech Stack:** C++, OOP, File Handling, Inheritance

- Developed a menu-driven rental system simulating real-world operations.
- Added search, rent, return, and cost-calculation features.
- Enabled persistent file storage with OOP-based architecture.

## Experience

### Member – Team SARK (Technical Club)

Jan 2025 – Present

- Coordinated technical workshops and hands-on sessions, enhancing learning experiences for 400+ students.
- Assisted with planning, logistics, and smooth execution of college-level technical events.

### Member – IEEE Photonics and ComSoc Joint Chapter

Jan 2024 – Present

- Helped organize technical talks, seminars, and student-focused engineering events.
- Supported hackathons and technical programs through registrations, volunteer coordination, and event management.

## Achievements

- Secured 2nd place in Internal SIH 2025 for the SilenceSpeaks ISL translator.
- Selected for Commvault Pratidhi 2025 for technical excellence and leadership.
- Achieved Top 5 ranks in multiple coding competitions.