

# RAKSHITHA B J

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## PROFESSIONAL SUMMARY

Motivated and curious Computer Science Engineering student with a good foundation in C, C++, and Python, and a good understanding of Operating Systems, Computer Networks, and SQL. Familiar with version control tools like Git, GitHub and Docker. Passionate about continuous learning and eager to contribute to impactful tech projects through problem-solving and collaboration.

## SKILLS

- **Languages** | C, C++, Python
- **Technical Skills** | Operating Systems, Computer Networks, Git, GitHub, Docker, DBMS, SQL
- **Soft Skills** | Team collaboration, Time management, Adaptability, Fast Learner

## EDUCATION

- Currently Pursuing a Bachelor of Engineering in Computer Science CGPA: 9.63  
Vidyavardhaka college of Engineering, Mysuru, Karnataka
- Pre University College Percentage: 97.16  
Sadvidya Composite Pre University College, Mysuru, Karnataka

## INTERNSHIP

- **HPE Project Intern (CTY) - Backup & Recovery System for Linux** Feb 2025 – June 2025
  - Worked on building a robust Linux-based backup and recovery system in C++ using libarchive, SQLite, supporting full, incremental, and differential backups.
  - Designed reliable recovery workflows and implemented data integrity checks using SHA-256 hashing, AES encryption for security. Handled efficient metadata management and logging using SQLite.
  - Designed for secure enterprise data recovery in critical Linux server environments.

## PROJECTS

- **YouTube Comment Sentiment Analysis**
  - Developed a sentiment analysis system in Python to extract and analyze YouTube comments using BERT, integrated with Google YouTube Data API v3. Integrated multilingual support with language detection and translation. Visualized sentiment insights via Matplotlib and Plotly, highlighted top comments, and enabled CSV export using Pandas.
  - Useful for brand monitoring, audience engagement analysis, and content feedback optimization on YouTube.
- **Student Management System**
  - Built a web-based system using Python, MySQL, and XAMPP for managing student records and administrative tasks.
  - Implemented secure CRUD operations, database integration, and user-friendly data entry forms.

## ACHIEVEMENTS

- **Academic Excellence:** Achieved the highest overall percentage (97.6%) in school and ranked 1<sup>st</sup> in the multiple semesters of B.E. in Computer Science at Vidyavardhaka College of Engineering.