

Palli Gyaneswari

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Career Objective

Motivated 4th-year Computer Science Engineering student with strong Python, backend development, and database foundations. Seeking a 6-month **Backend Python Engineering Internship** to work on real-world systems, build scalable APIs, and expand skills in DevOps, cloud, and AI/ML integrations.

Education

Raghu Engineering College★ , B.Tech in Computer Science and Engineering (Ongoing) CGPA: 9.15	2022 – 2026
Sanjeevi Junior College , Intermediate (MPC) Percentage: 95.9%	2020 – 2022
AVK Comp Tech School , SSC Percentage: 94.83%	2019 – 2020

Skills & Certifications

- **Programming Languages:** C, Python, Java (Basic), JavaScript, DSA
- **Databases:** SQL
- **Frameworks & Libraries:** Node.js, Express.js, React, Matplotlib
- **Certifications:** NPTEL (Python, C, Java), HackerRank (MySQL), SmartInterviews (DSA)
- **Soft Skills:** Communication, Problem-Solving, Teamwork, Adaptability, Leadership

Projects

Password K★

- A **novel password generation system** that transforms inputs into **secure, symbol-enhanced strings** using **deterministic randomness**.
- Uses **repeated character detection** and **key-based substitution** to enhance security while ensuring **usability** and **OS compatibility**.
- **Tech Stack:** Node.js, Express.js, React, JavaScript

Plagiarism Checker Using Machine Learning and NLP

- Built a **plagiarism detection tool** using **TF-IDF** and **cosine similarity**.
- Applied **NLP preprocessing techniques** to compare document similarity effectively.
- **Tech Stack:** Python, Scikit-learn, NLP (NLTK), Pandas

Relevant Experience

Backend Development Experience through Password K Project

- Designed and implemented REST APIs using Node.js and Express.js.
- Handled routing, data processing, input validation, and modular API structure.
- Integrated frontend (React) with backend APIs.

Achievements

- 2nd Prize – CMOS Technology Presentation, Youth Ideathon (Dec 2022)
- 3rd Prize – Air Architecture, Engineers Day (Sep 2023)
- Participant – Myntra Hackathon

Extra-curricular Activities

- Performed in a dance drama on International Women's Day (Mar 2024)
- Participated in Science Quiz on National Science Day (Feb 2023)
- Volunteer at NSS (National Service Scheme)