Pratyusha Yellapu

Backend-Focused Full Stack Developer

[Portfolio](#) | [LinkedIn](#) | [GitHub](#)

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PROFESSIONAL SUMMARY

Backend-focused developer with strong interest in building scalable applications and real-world systems. Experience in developing practical projects and working with backend concepts using Python. Currently improving backend engineering skills through hands-on training and continuous learning.

TECHNICAL SKILLS

Languages	:	Python, C (Basics)
Web	:	HTML, CSS
Databases	:	SQLite, PostgreSQL
Deployment	:	Vercel, Render
Dev Tools	:	Visual Studio Code, Git, GitHub, Linux

PROJECTS

Exam Photo & Signature Validator   Source Code

- Developed an image validation tool using **Python, Flask, Pillow (PIL), and OS module** to process candidate photos and signatures for government exam applications
- Implemented image resizing, compression, and dimension validation using **Python** image processing techniques
- Integrated image processing logic into a backend web application using **Flask**
- Ensured uploaded images meet strict size, dimension, and format constraints required for exam portals

Drowsiness Detection System (Academic Project)

- Built a real-time monitoring system using **Python, OpenCV, and NumPy** for driver safety
- Implemented eye tracking techniques to detect driver fatigue patterns
- Built an alert mechanism to notify when drowsiness is detected

EXPERIENCE

Backend Development Trainee   Aug 2025 – Present
AI Karyashala   *India*

- Learning backend development concepts and building applications using **Python**
- Building functional backend modules and managing data flow using Python and SQLite
- Applying backend development concepts while building practical projects such as an image validation tool using **Python**

Customer Service Executive   Mar 2024 – Oct 2024
Insurance Verification   *India*

- Verified insurance policies and ensured accuracy of coverage details
- Coordinated with insurance providers to resolve verification issues
- Handled customer queries related to policy verification

EDUCATION

Master of Computer Applications (MCA)   2021 – 2024
Miracle Educational Society Group of Institutions   *Vizianagaram, India*

B.Sc (Computers)   2018 – 2021
SSSS Degree College   *Vizianagaram, India*