

Shreyas Mene

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SUMMARY

A Computer Science student who is passionate about Artificial Intelligence and Machine Learning and has practical experience in full-stack development using the MERN stack. Proficient in Python, Java, and Data Structures & Algorithms, with a demonstrated capacity to develop and optimise applications as a result of internships at Pinnacle Labs and IIT Ropar (NPTEL). I am enthusiastic about the opportunity to leverage my exceptional problem-solving abilities to make a meaningful contribution to the technology community and create innovative solutions.

TECHNICAL SKILLS

Programming & Markup Languages: Python, Java, C++, JavaScript, HTML, CSS, MySQL

Frameworks, Libraries & Databases: MongoDB, Express, React, Node.js, Tkinter

Libraries & Tools: NumPy, Pandas, Scikit-learn, Git

PROJECTS

EduAssess Platform

Jan 2025 – Mar 2025

Technologies: MERN Stack, Hugging Face

Developed and enhanced features for the platform as part of the NPTEL Summer Internship with IIT ROPAR.

Focused on creating modular frontend components and integrating a chatbot.

Implemented personalized assessment generation and improved user interaction with API-driven quizzes and theme customization.

URL Shortener Service

Mar 2025 – May 2025

Technologies: Node.js, Express.js, TypeScript, MongoDB

Built a scalable URL shortening backend with support for custom short links and visit analytics.

Designed RESTful API endpoints using Express.js and implemented type-safe logic with TypeScript.

Integrated MongoDB with Mongoose for efficient data storage and real-time redirection handling.

CatXForest – Career Recommendation System

May 2025 – Jul 2025

Technologies: Python, Flask, scikit-learn, XGBoost, CatBoost

Built an AI-powered career recommendation system to predict suitable career paths based on academic performance and personal attributes.

Implemented a hybrid stacking ensemble model combining Random Forest, XGBoost, and CatBoost achieving 84.97% accuracy.

Developed an interactive Flask web interface with real-time predictions and probability visualizations using Chart.js.

pyvm – Python Version Manager (CLI Tool)

Jul 2025 – Sep 2025

Technologies: Python, Click, Requests, BeautifulSoup

Developed a cross-platform CLI tool to safely check and install the latest Python versions alongside existing installations.

Ensured system safety by preventing modification of default Python versions and supporting side-by-side installations.

Implemented platform-specific installers for Windows, Linux, and macOS with clear diagnostics and usage guidance.

Omarchy Scripts – Linux Workflow Automation

Sep 2025 – Dec 2025

Technologies: Bash, Hyprland, Wayland, GLSL

Created a collection of automation scripts to enhance productivity and visual consistency in an Arch Linux + Hyprland setup.

Automated workspace layouts, motion wallpapers, screensaver customization, and OLED-style display enhancements.

Focused on safe configuration changes, reproducible ricing, and seamless integration with Hyprland workflows.

EXPERIENCE

NPTEL Summer Intern <i>IIT ROPAR</i>	May 2025 – Jul 2025 <i>Remote</i>
Developed and enhanced features for the EduAssess platform using the MERN stack.	
Focused on modular frontend components, chatbot integration, and personalized assessment generation.	
Improved user interaction through dynamic topic selection, API-driven quizzes, and theme customization.	

EDUCATION

Vellore Institute of Technology Bhopal University <i>B.Tech in Computer Science with specialisation in Artificial Intelligence and Machine Learning</i>	Bhopal, IND Sep 2024 – Present
Delhi Public School, Bhilai <i>Higher Secondary Education in Science with Computer Science</i>	Bhilai, IND Mar 2020 – May 2024

CERTIFICATIONS

- NPTEL Joy of computing using python (Elite Gold Top 5%)
- NPTEL Programming in Java (Elite Silver)
- Introduction to generative AI (Google)