

Pragya Sekar

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Chennai, Tamil Nadu, India

Objective

Motivated Computer Science student with strong foundation in machine learning, cybersecurity, and cloud computing. Eager to apply technical and creative skills to solve real-world problems, contribute to teams, and grow as a builder and leader.

Education

Vellore Institute of Technology (VIT) Chennai

Aug 2023 – July 2027

B.Tech, Computer Science and Engineering

CGPA: 9.07/10

Key Courses: Data Structures & Algorithms, Operating Systems, Computer Networks, Theory of Computation, Cloud Computing

Experience

Fellow, CrftHQ Startup Accelerator

Jul 2025 – Present

Selected for India's top student-led creator program; building a product in 60 days. Access to Rs 92.6 Cr+ tech credits, mentorship from IIT/IIM alumni and Fortune 500 pros, pitching at a televised finale.

ML Instructor, Workshop

2025

Co-led a 2.5-hour hands-on ML workshop covering FFT, SMOTE, and statistical techniques. Mentored students using real datasets with Python and Google Colab.

Co-Founder, vehnicate

2023 – Present

Co-founded vehnicate, a startup dedicated to bringing structure to the driving experience through smart mobility and cooperative driving.

Projects

MIDSight – Modular Linux Security CLI

2025 [🔗]

Python, AI/ML, Security

- Developed a modern CLI tool for Linux security monitoring, integrating process, file, network, honeypot, and threat intelligence modules.
- Added AI-powered insights and reporting via Google Gemini.

phishPicket – Phishing URL Detection

2025 [🔗]

Python, Pytorch, Flask, FastAPI

- Built a machine learning system to classify URLs as phishing or safe using URL features and SSL info.
- Developed a web interface for real-time analysis and alerts, achieving high detection accuracy.

Facial Recognition – Siamese NN

2024 [🔗]

Python, Tensorflow Keras, OpenCV

- Implemented a facial recognition model using Siamese networks to verify faces based on similarity learning.
- Demonstrated reliable accuracy for biometric authentication.

VPS Hosting Platform Using OpenStack

2025

OpenStack, Linux, KVM, Python, Shell

- Developed a VPS hosting platform enabling dynamic VM provisioning and monitoring via OpenStack.
- Automated deployment and user-level control for scalable cloud infrastructure.

Skills

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

Web/DB: HTML, CSS, React, Node.js, MongoDB, MySQL

ML/DS: PyTorch, scikit-learn, Keras, OpenCV, CNNs, LSTMs, Siamese Networks, LLMs, Recommendation Systems

Cloud/DevOps: GCP, OpenStack, Docker, Git

Additional Information

Clubs: Microsoft Innovation Club (MIC), SEDS Antariksh

Certifications: Artificial Intelligence with Machine Learning (PreGrad), MERN Stack (Ethnus)

Soft Skills: Problem-solving, Communication, Initiative, Teamwork, Creative Thinking