

Pilli Shanyu Veda Seshu

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Education

National Institute of Technology, Meghalaya

Bachelor of Technology: Computer Science and Engineering

Sohra, Meghalaya

2022 - 2026

Sri Chaitanya Junior College

Higher Secondary Education - BIEAP : MPC

Vijayawada, Andhra Pradesh

2020 - 2022

Akshara Public School

Secondary Education - BSEAP

Razole, Andhra Pradesh

2019 - 2020

Relevant Coursework: C Programming, Data Structures & Algorithms (DSA), Database Management Systems (DBMS), Object-Oriented Programming (OOPs), Computer Networks (CNs), Operating Systems (OS), Software Engineering, Cryptography and Network Security.

Experience

Cyber Security and Technology Intern

Remote

Meghalaya Police Cyber Crime Division

June 1, 2025 – Present

- Developing a browser extension to detect fake websites, using Firebase for backend integration.
- Collaborating with law enforcement to monitor online activities and support cyber safety initiatives.
- Creating vulnerability reports for the Meghalaya Police website.

Web Developer Intern

Remote

Dabotics India Private Limited

Feb 1, 2024 – Feb 29, 2024

- Completed a 1-month remote internship focused on front-end web development.
- Built two interactive web projects:
 - Quiz Application with Timer (GitHub): Developed a browser-based quiz system using HTML, CSS, and JavaScript, featuring a countdown timer, dynamic question handling, and score display.
 - Product Landing Page (GitHub): Created a visually appealing and responsive landing page for a product, showcasing layout design, branding elements, and navigation using HTML and CSS.
- Gained hands-on experience in responsive UI design, semantic HTML, and client-side scripting.
- Strengthened skills in building structured, clean, and reusable front-end code.

Projects

Parkinson's Disease Prediction using Deep Learning

February 2025 – May 2025

Developed a deep learning system using Siamese BiLSTM networks to detect Parkinson's Disease from gait signals.

- Implemented signal preprocessing (Butterworth filter, downsampling) on vGRF data
- Built a memory-efficient dynamic pair generator for contrastive learning
- Achieved clear embedding separation and better accuracy than traditional ML models
- Tools: Python, TensorFlow, Keras, BiLSTM, t-SNE, Ubuntu

Python Mini-Projects repos(Github)

- Developed a suite of Python applications like ATM simulator, quiz game, password generator, to-do list app demonstrating proficiency in Python scripting, OOP, and problem-solving.

OverTheWire Bandit Challenge (GitHub)

- Solved multiple levels of the OverTheWire Bandit wargame to build foundational skills in Linux commands, file handling, shell scripting, and basic cybersecurity practices.

Expense & Income Tracker

- Developed a Spring Boot-based web app for managing income and expenses with CRUD operations, data persistence, and category-wise summaries.

Tech Stack: Java, Spring Boot, MySQL, REST API, HTML/CSS

Technical Skills

- Programming Languages:** Java, Python, C++, JavaScript
- Web Development:** HTML, CSS, React (basic), Spring Boot, REST APIs
- Frameworks & Libraries:** Spring Boot, TensorFlow/Keras, Bootstrap
- Database & Tools:** MySQL, SQLite, Java Database Connectivity, Git, GitHub, VS Code, IntelliJ IDEA
- Machine Learning / Deep Learning:** BiLSTM, Siamese Networks, Signal Preprocessing, t-SNE
- Operating Systems:** Windows, Ubuntu/Linux (basic CLI experience)
- Other Tools:** Google Colab, Jupyter Notebook, MS Excel (formulas & formatting)

Achievements

- Ranked **AIR 5087** in JEE Main 2022 and enrolled in B.Tech CSE at NIT Meghalaya.
- Winner – Astrotelescope Event, Cognitia 2024**, NIT Meghalaya
Reassembled a disassembled telescope and captured the moon using a mobile phone.
- 1st Place – Treasure Hunt, Coding Club @ Cognitia 2024**, NIT Meghalaya
Secured first place in a campus-wide treasure hunt by cracking programming puzzles, logical clues, and hidden challenges in a fun, fast-paced event.
- 3rd Place – Valorant Tournament, Shishir 2025 (Cultural Fest)**, NIT Meghalaya
Secured 3rd place in a college-level Valorant competition by showing good teamwork and game strategy.