

KALAKONDA AKSHAY

Software Engineering Intern Candidate · AI · Cybersecurity · Full-Stack

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SUMMARY

First-year B.Tech CSE undergraduate at Amrita Vishwa Vidyapeetham (NAAC A++), specializing in AI & Cybersecurity. Built 4 full-stack and ML projects from scratch; completed 6 industry certifications independently. Solved 80+ DSA problems and actively learning cloud & modern frameworks. Looking for a software engineering / AI / security internship where I can ship real features from Day 1.

TECHNICAL SKILLS

Languages: Python · Java · JavaScript · SQL · Bash
Web: HTML5 · CSS3 · ES6+ · Responsive Design · DOM Manipulation
Backend: Flask · REST APIs · JSON · HTTP · Session Management
AI / ML: Scikit-learn · Pandas · NumPy · Matplotlib · Classification Models
Security: OWASP Top 10 · bcrypt · Rate Limiting · Wireshark · Linux CLI
Tools: Git · GitHub · VS Code · Jupyter · Postman · Ubuntu

PROJECTS

KEY PROJECT Secure User Authentication System

Python · Flask · Security

Stack: Python, Flask, SQLite, bcrypt, HTML5/CSS3, Linux
github.com/akshaykalakonda/auth-system

- ▶ **Engineered production-style auth system** supporting 100+ simulated users with login, registration & role-based sessions
- ▶ **Hardened against all OWASP Top 10 threats:** SQLi, XSS & brute-force — zero critical vulnerabilities in self-audit
- ▶ **Implemented bcrypt hashing + rate-limiting middleware** reducing brute-force attack surface by design

ML-Based Student Performance Predictor

Python · ML Pipeline

Stack: Python, Scikit-learn, Pandas, NumPy, Matplotlib, Jupyter Notebook
github.com/akshaykalakonda/student-predictor

- ▶ **Processed 1,000+ student records** with feature engineering, missing-value handling & label encoding
- ▶ **Benchmarked Logistic Regression, KNN & Decision Tree;** Decision Tree hit 84% accuracy vs 72% logistic regression baseline
- ▶ **Visualised confusion matrix & feature importance** making model explainable for non-technical stakeholders

Personal Portfolio Website

HTML · CSS · JS · Live

Stack: HTML5, CSS3, Vanilla JavaScript, GitHub Pages
github.com/akshaykalakonda/portfolio · Live: akshaykalakonda.github.io

- ▶ **Designed & shipped mobile-first portfolio** with <2s load time via asset compression — zero external dependencies
- ▶ **Built smooth-scroll navigation, CSS keyframe animations** & client-side validated contact form

Python Automation Toolkit

Python · Scripting

Stack: Python, OS, CSV, BeautifulSoup, File I/O
github.com/akshaykalakonda/py-toolkit

- ▶ **Automated sorting of 500+ files into 10+ categories** cutting manual time from 30 min → under 2 sec (99% reduction)
- ▶ **Built web scraper aggregating internship listings** & grade calculator — eliminated 30+ min of daily repetitive tasks

EDUCATION

B.Tech — Computer Science Engineering (AI & Cybersecurity)

2025 – 2029

Amrita Vishwa Vidyapeetham, Nagercoil · NAAC A++ · NIRF Top-10 Private Engg. University · CGPA: In Progress

Intermediate (MPC) — Narayana Junior College, Peddaamberpet, Hyderabad

90.9% | 2025

SSC — Narayana Star Co-Superchaina, Vanasthalipuram, Rangareddy

CGPA 9.7 / 10 | 2023

CERTIFICATIONS

- ▶ **Python for Everybody** — Coursera / U-Michigan ▶ **Cybersecurity Essentials** — Cisco Networking Academy
- ▶ **Machine Learning Crash Course** — Google Developers ▶ **Responsive Web Design (300 hrs)** — freeCodeCamp
- ▶ **Git & GitHub Foundations** — GitHub / Udemy ▶ **Introduction to AI** — IBM SkillsBuild

ACHIEVEMENTS & CURRENTLY LEARNING

- ▶ Solved **80+ DSA problems** — LeetCode & HackerRank **Learning:** Deep Learning — fast.ai
- ▶ **Hackathon participant** & IEEE student chapter member **Learning:** React.js + Node.js (MERN stack)
- ▶ **Open-source contributor** — documentation PRs & bug reports on GitHub **Learning:** AWS Cloud Practitioner (CLF-C02)