

# Kavin Nandha M K

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## Profile

Dedicated Computer Science student with a focus on Cybersecurity and Full-Stack Development. Experienced in building scalable web and mobile applications using the MERN stack. Strong in networks, operating systems, ethical hacking, and software engineering. Passionate about secure, efficient, user-centric systems.

## Education

2023–2027 **B.E. Computer Science and Engineering (Cyber Security)**, Sri Shakthi Institute of Engineering and Technology, Coimbatore CGPA: 8.8

2015–2023 **SSLC & HSC**, VVM Matric Hr. Sec. School, Coimbatore HSC: 83%

## Technical Skills

**Stacks** MERN, LAMP

**Security** Cybersecurity, CIS Benchmarking

**Cloud** AWS, GCP

**Frontend** React, Tailwind, Typescript

**Backend** Node.js, Express.js, REST APIs, PHP

**Database** MySQL, MongoDB, Redis

**Tools** Git, GitHub, Docker, Flutter

## Soft Skills

**Thinking** Logical, Creative, Detail-Oriented

**Working** Time-Managed, Consistent

**People** Collaborative, Adaptable, Curious

## Projects

### ○ Student Management System

A full-featured **MERN stack** web application designed for educational institutions to manage students' academic records. Implements **role-based access control** (admin, staff, student), secure **JWT authentication**, and **real-time dashboards** for attendance and performance tracking. Features include analytics with dynamic charts, and responsive UI for cross-device usability.

### ○ Event Management Platform

Developed using the **LAMP stack** (Linux, Apache, MySQL, PHP), this system streamlines college event organization. Supports **user registration**, **event creation**, and **session scheduling**, with separate **admin and participant interfaces**. Includes real-time participant tracking, automated status updates, and database-driven reporting.

### ○ Billing Management System

A responsive **PHP-MySQL** based web application for managing billing workflows. Key features include **invoice generation**, **payment tracking**, and **sales reporting** with daily/monthly filters. Includes modules for product and customer management, along with **PDF export**, print functionality, and admin-level controls.

### ○ Data Visualization Dashboard

A lightweight dashboard built using **Chart.js** and **MySQL** to provide live data insights. Allows **interactive filtering**, customizable chart types (bar, pie, line), and responsive design for analytics on performance metrics, sales, or user behavior. Data is dynamically fetched and auto-updated for a seamless monitoring experience.

### ○ CIS Benchmark Tool

A **Python** and **PowerShell**-based utility for automating **CIS compliance checks** on Windows systems. Performs detailed system audits and generates structured **HTML and CSV reports**. Distributed as a standalone executable for easy deployment in IT security environments.