

Ayush R Kumar

B.Tech - Computer Science & Engineering
NSS College of Engineering, Palakkad

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GitHub | Portfolio | LinkedIn

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech CSE	NSS College of Engineering, Palakkad	8.76 / 10 (Current)	2024–2028
Senior Secondary (XII)	Bharathiya Vidya Bhavans, Kodungallur	94.6%	2024
Secondary (X)	Bharathiya Vidya Bhavans, Kodungallur	95%	2022

EXPERIENCE

- **Open Source Contributor — GSSoC '26** 2026
GirlScript Summer of Code 2026 Remote
 - Contributing to open source projects in Python and Web Development
 - Collaborating with developers globally on beginner-friendly issues
- **Open Source Contributor — SSoC** 2026
Social Summer of Code Remote
 - Contributing to open source projects under Social Summer of Code

PROJECTS

- **Process Scheduler Visualizer** 2025
Self Project | Python GitHub
 - Visualized CPU scheduling algorithms including FCFS, SJF, SRTF, Round Robin and Priority Scheduling
 - Demonstrates core Operating System concepts through an interactive terminal-based interface with Gantt charts
- **Weather Detection App** 2025
Self Project | Python, REST API GitHub
 - Fetched and displayed real-time weather data including temperature, humidity and forecast using OpenWeatherMap API
 - Implemented city-based search with clean terminal output and error handling for invalid inputs
- **Hangman Game** 2025
Self Project | Python GitHub
 - Built a terminal-based word guessing game with score tracking, hint system and multiple difficulty levels
 - Demonstrates Python fundamentals including string manipulation, loops and conditional logic
- **Expense Tracker** 2025
Self Project | Python GitHub
 - Built an application to track personal expenses with category-wise filtering and monthly summaries
 - Integrated MySQL database for persistent storage with budget limit alerts
- **Banking System** 2025
Self Project | Java GitHub
 - Implemented core banking operations including account creation, deposit, withdrawal and balance inquiry
 - Demonstrates Object Oriented Programming concepts in Java

TECHNICAL SKILLS

- **Programming Languages:** Python, C, Java, SQL, JavaScript
- **Web Technologies:** HTML, CSS, React (learning), Node.js (learning), Express.js (learning), MongoDB (learning)
- **Database:** MySQL, SQLite
- **Design Tools:** Figma, Blender (learning)
- **Tools & Platforms:** Git, GitHub, VS Code, Linux

KEY COURSES TAKEN

- **Computer Science:** Python Programming, Data Structures & Algorithms, DBMS, Operating Systems, OOP, Computer Networks & Security, Software Engineering, Compiler Design
- **Mathematics:** Discrete Mathematics, Statistical Methods, Numerical Methods
- **Others:** Basic Electronics & Electrical Engineering, Digital Electronics, Microprocessor: Theory & Applications

CERTIFICATIONS

- **Joy of Computing Using Python,** NPTEL, IIT Ropar
- **Future Skills Prime,** Digital 101

POSITIONS OF RESPONSIBILITY

- **Joint Secretary**, STACS, NSS College of Engineering, Palakkad *Jan–Apr 2025*
- **Design Lead**, ACM Student Chapter, NSS College of Engineering, Palakkad *2025–26*
- **Tech Team Member**, μ Learn NSSCE, NSS College of Engineering, Palakkad *2025–26*
- **Student Representative**, STACS, NSS College of Engineering, Palakkad *2024–25*
- **Class Representative**, Dept. of CSE, NSS College of Engineering, Palakkad *2024–25*
- **Member**, IEEE Student Branch, NSS College of Engineering, Palakkad *2026–Present*

ACHIEVEMENTS

- **1st Runner Up** — **RBI@90**, Kerala State Level Quiz Competition, Reserve Bank of India *2024*
- **GSSoC '26 Contributor**, Contributing to open source Python & Web Development projects under GirlScript Summer of Code
- **SSoC Contributor**, Contributing to open source projects under Social Summer of Code *2026*

INTERESTS

- **Areas of Interest**, Artificial Intelligence, Machine Learning, Full Stack Web Development, Open Source, UI/UX Design
- **Languages Known**, Malayalam (Native), Konkani (Native), English (Fluent), Sanskrit (Fluent)