MIHIKKA S

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Objective

Driven B.Tech Computer Science student with proficiency in Python and SQL. A dedicated problem-solver with hands-on experience building innovative web applications. Eager to apply technical and analytical skills within a collaborative environment to deliver impactful software solutions.

Education

B.Tech in Computer Science and Engineering	2022 – Present
NSS College of Engineering, Palakkad, Kerala	CGPA: 9.29
Class XII	2020 – 2022
GHSS Nemmara, Palakkad, Kerala	Percentage: 99.25%
Class X	2019 – 2020
GGVHSS Nemmara, Palakkad, Kerala	Percentage: 98%

Projects

• **FedShield - Federated Blockchain-Based Intrusion Detection for IoT** | July 2025 – Present
A privacy-preserving IoT intrusion detection system that uses Federated Learning to train models across distributed devices without sharing raw data. Integrates XGBoost-based IDS training, with blockchain-backed logging for transparency and integrity, and IPFS for efficient decentralized storage of global model versions.

• **MoodMirror - Text Emotion Detection** | May 2025
An interactive web app that classifies emotions behind text input and displays the results through an engaging, emoji-enhanced interface. [GitHub](#)

• **EventHive - Campus Community & Event Platform** | Jan 2025 – May 2025
A college community and event management web platform that centralizes communications and streamlines event participation across campus groups. [GitHub](#)

Skills

Technical Skills: Python, Java, C, HTML, CSS, MySQL
Interpersonal Skills: Analytical Thinking, Problem-Solving, Communication, Teamwork, Adaptability
Languages Known: English, Malayalam, Hindi, Tamil (All Fluent)

Certifications

• Programming, Data Structures and Algorithms using Python, NPTEL – Sep 2024   Score: 71%
• Problem Solving Through Programming in C, NPTEL – Oct 2023   Score: 67%

Achievements

YIP 7.0 – Young Innovators Program: District-level Winner, August 2025 (Ongoing State Level Evaluation)
ASAP Idea Fest – Sept 2024: 2nd Prize, Kerala State-level
YIP 5.0 – Young Innovators Program: District-level Winner, 2024

Hackathons

• Useless Project | TinkerHub | August 2025
• Vibe Coding Hackathon | TinkerHub | July 2025
• Starlet Hackathon | Mind Empowered | July 2025
• Tink-Her-Hack | TinkerHub | Jan 2025
• Grand Tech Adventure – SandShores Edition | GTech µLearn | Nov 2023
• NASA International Space Apps Challenge | Participant (Galactic Problem Solver Team) | Oct 2023