

## RESUME SNAPSHOT

### Varshith

B.Tech + B.Sc (Dual Degree)

Software Engineering | AI/ML | Automations | Systems | NFC Payments

Email | LinkedIn | GitHub

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### SUMMARY

Software Engineer with experience across multiple internships and remote engineering roles, including work for a US-based company building automation solutions using Playwright, Selenium, Python, and n8n. Strong foundation in algorithms, systems, ML, and end-to-end product development. Known for building high-impact solutions, fast execution, and winning 6 hackathons consecutively.

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### SKILLS

**Languages:** Java, Python, C, C++, JavaScript, SQL

**Frameworks/ML:** TensorFlow, GANs, Flask, NumPy, Pandas, Scikit-Learn

**Automation Tools:** Playwright, Selenium, n8n, Python scripting

**Platforms/Tools:** Git, Docker, Linux/Ubuntu, Razorpay API, Termux Linux, SQLite

**Core Areas:**

Operating Systems, Graph Algorithms, Probability & Statistics, Automata Theory

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### EXPERIENCE

#### Multiple Internships & Remote Engineering Roles

2023–2025

- Contributed across several organizations, including work under a US-based company on real-world automation challenges.
- Built automation flows using **Playwright, Selenium, n8n, and Python**, solving operational issues for active production systems.
- Developed solutions spanning backend scripting, system workflow automation, testing pipelines, and internal tooling.
- Delivered production-ready features with speed, consistency, and high debugging accuracy.

#### Project & Technical Leadership (College + External)

- Organized and executed large-scale tech events within short timelines.
  - Led hackathon teams across high-pressure environments.
  - Guided student teams in system architecture, coding, and project execution.
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## PROJECTS

### ByteCoins – NFC Payment System (College)

Java, NFC, Razorpay API

- Architected secure NFC token-based payment workflow.
- Implemented role-based access control with admin-only writing and user-only reading.

### AI Art Generator (GAN)

TensorFlow, CUDA

- Training custom GAN models on RTX 3050.
- Built image generation pipelines and dataset loaders.

### Automation Systems (US-Based Company Work)

Playwright, Selenium, Python, n8n

- Automated end-to-end workflows including web tasks, form-processing, validation flows, and internal processes.
- Reduced manual workload by creating robust automation pipelines.

### Ultrasonic Obstacle Detection System

Embedded + Servo

- Designed real-time rotational scanning with terminal visualization.

### HireHub – Micro-Workforce Matching (SE Project)

- Platform connecting companies needing short-term manpower with available workers.
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## ACHIEVEMENTS

- **6× Hackathon Champion** (consecutive wins)
- Built multiple full-stack, ML, automation, and embedded systems

- Strong execution across OS, ML, FLAT, Stats, and Graph Theory
  - Delivered solutions for US-based engineering teams
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## **COURSES & CERTIFICATIONS**

- Joy of Computing Using Python (NPTEL)
  - Operating Systems, DBMS, CN, FLAT, ML, Probability & Statistics
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## **INTERESTS**

AI/ML systems, Automation Engineering, Operating Systems, NFC architectures, Graph Algorithms, GANs, System Design, Linux, and creative technical builds.