Venkata Rao Dechiraju

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Bachelor of Technology

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CSE with Artificial Intelligence & Machine Learning

GitHub

SRMIST, Kattankulathur, Chennai, 603203

Website

EDUCATION

Year	Degree/Certificate	Institute
2023-2027	B.Tech CSE with Artificial Intelligence & Machine Learning	SRMIST
2023	ISC (XII)	Loyola Public School, Guntur
2021	CBSE(X)	Bharatiya Vidhya Bhavans, Guntur

EXPERIENCE

- **Integrofy** *2023 - 2024*
  System Administration Intern Remote
  - Configured and maintained VPS environments, implementing load balancing to ensure scalability and high availability for client systems
  - Collaborated with engineers to adapt infrastructure to dynamic client requirements and fast dead- lines, improving delivery speed and system reliability

PROJECTS

- **Indra Linux** *Jan 2026 - Present*
  Linux Distribution **Github**
  - Indra Linux is a Arch-based Linux Distribution
  - Configured to make Servers and Desktops more accessible with customized Bash Scripts and Environment configuration
- **Vihla** *Mar 2021 - Apr 2021*
  Course or faculty **Github**
  - Vihla is a fully native Android academia wrapper that performs on-device content fetching and parsing without third-party dependencies, enabling platform-exclusive features through direct Android runtime integration.
  - Vihla is written entirely in Kotlin and built as a native Android application using modern Android architecture components with a Material You UI, secure token-based authentication, background sync and notification systems, optimized on-device HTML fetching and parsing

TECHNICAL SKILLS

- **Programming Languages**: C/C++, Bash, Odin, Java, Go, Python, Rust , Kotlin, FLEX, (HTML, CSS, Javascript) -> Frontend
- **Tools and Frameworks**: Linux (Arch Linx), Jupyter Notebooks, RAG, Gen-AI, CI-CD (Github Actions, Jekyll), Testing -> (Selenium, Pupeeter, Tester (odin)), Spring
- **Operating Systems**: Linux (can't stress enough), Windows & Android

KEY COURSES TAKEN

- **CSE & Maths**: Introduction to C, Fundamentals of Computers, Object Oriented Paradigm in C++, Data Structures and Algorithms, Computer Organization & Architecture, Python Programming, Operating System, Database Management System, Statistical Methods, Discrete Mathematics, Numerical Methods, Computer Networks & Security, Software Engineering, Compiler Design, Computer Graphics & Multimedia
- **Others**: Basic Electronics & Electrical Engineering, Engineering Drawing, Digital Electronics, Principle of Engineering Economics and Management, Microprocessor: Theory & Applications

CERTIFICATIONS

- **Redhat Linux and Container Tech** Certifying Institution Name
- **Certificate Name** Certifying Institution Name
- **Certificate Name** Certifying Institution Name

POSITIONS OF RESPONSIBILITY

- **Secretary**, Innovator's Club *2022*
- **Tech**, NWC - SRMIST *2024*

PUBLICATIONS

- **Blind Rendezvous Distributed Hash Table for Anonymous Peer Discovery** ,
  This work presents Blind Rendezvous DHT (BR-DHT), a decentralized overlay that achieves query and publisher anonymity through rendezvous points that are cryptographically blinded *2025*
- **A Comprehensive Meta-Analysis of Pattern-Matching Techniques**,
  This paper presents a meta-analysis of pattern matching techniques,
  categorizing them by operational characteristics, computational complexity, and application domains *2026*