Education

Vardhaman College Of Engineering   **April 2026**
B.Tech in Electronics and Communication Engineering, Minor in AI & ML   *GPA: 7.8/10.0*

Technical Skills

Languages: Python, TypeScript, Go, Java, C/C++, SQL
Frameworks: React, Next.js, Express.js, Spring Boot, Gin, Redux | **Databases**: PostgreSQL, Redis, MongoDB, MySQL
Tools: AWS, Docker, Kubernetes, Git, Firebase, Elasticsearch, Nginx

Experience

Rare Labs   **Oct 2024 − April 2025**
Software Developer Intern   *Hyderabad, India*
- Developed a full-stack **AI-powered Legal Research Platform** using **Next.js**, **TypeScript**, and **Firebase**, enabling real-time legal research with accurate case law and contextual insights.
- Engineered a **landmark case retrieval algorithm** combining **GPT**, search techniques, and court filtering to identify Supreme Court precedents with **98% accuracy**, validated by practicing attorneys.
- Optimized the **AI Legal Search** system through **streaming responses**, **API integration** and **parallel processing**, reducing response time by **90%** and query time from **40-50s to 10-15s**.
- Built a scalable **memo management system** with AI-powered creation, secure sharing, and PDF exports using **Firebase Firestore**. Created a **Python web scraper** to automate legal data collection from Kanoon.

Encapz Technologies   **April 2024 − August 2024**
Full Stack Intern   *Hyderabad, India*
- Optimized **backend services** using **Java**, **Spring Boot**, and **JPA** through indexing, pagination, and N+1 query reduction, achieving **40% improvement** in database performance.
- Implemented **Redis caching** for frequently accessed data, reducing backend latency by **60%** and improving responsiveness for high-traffic scenarios.

United Network Of Professionals   **Sep 2023 − April 2024**
Software Engineer Intern   *Hyderabad, India*
- Redesigned **Quiz Section UI** using **React** and developed **RESTful APIs** with **Node.js**, **Express**, and **MongoDB** for real-time feedback, improving engagement and reducing response time.

Projects

BookMyEvent − High-Performance Event Booking Platform | *Go, PostgreSQL, Redis, Elasticsearch*   **GitHub**
- Architected a **microservices-based ticketing platform** handling thousands of concurrent bookings with **zero overselling** using **optimistic locking** and **atomic database operations**.
- Built **two-phase booking workflow** with **Redis TTL reservations** and automated waitlist management, achieving **100% data consistency** under high traffic loads.
- Implemented real-time event search with **Elasticsearch** and **nginx API gateway**, reducing query latency by **75%** compared to direct database access.

Gork CLI − AI Coding Agent | *Python, Gemini API*   **GitHub**
- Developed AI-powered CLI agent using Python and Gemini API for natural language file operations with modular design and secure environment management.

mini-git − Git Version Control Implementation | *Python, OOP, File Systems*   **GitHub**
- Implemented core git functionality from scratch (init, add, commit, log, status) using **Python** and **object-oriented design**, demonstrating deep understanding of version control internals.

Open Source Contributions

- **Meshery (MeshKit)**: Developed and documented **bidirectional conversion functionality between Meshery designs and Helm Charts**, enabling seamless import/export and enhancing deployment flexibility for users.

- **SupermemoryAI**: Enhanced user experience by **implementing UI improvements** (chat window scrolling) and **fixing key interaction issues** (GitHub shortcuts).

Relevant Coursework

Data Structures & Algorithms, Operating Systems, Database Management Systems, Computer Networks, Object-Oriented Programming, Machine Learning, Artificial Intelligence