

# PARIVED ARORA

+91-7648953601

parivedarora09@gmail.com

LinkedIn

GitHub

LeetCode

## Education

Vellore Institute of Technology, Bhopal

B.Tech in Computer Science

2022 – 2026

CGPA: 8.11/10

## Relevant Coursework

- Data Structures and Algorithms
- Object Oriented Programming
- Databases
- Operating Systems
- Computer Networks
- Network Programming
- Discrete Mathematics
- Machine Learning

## Experience

### Softsnare

Dec 2024 – Jan 2025

Backend Development Intern

Remote

- Assisted in backend development using JavaScript for web applications.
- Contributed to building and maintaining a website, improving backend functionality.
- Gained experience in database management, server-side scripting, and API integration.

## Projects

RemoteCommandShell-Python | Python, AWS EC2, Threading, Sockets, Cybersecurity

June 2025 – July 2025

- Set up a live server on AWS EC2 to host and run Python applications efficiently.
- Configured Ubuntu, Nginx, and Gunicorn for deploying and managing Python scripts remotely.
- Implemented multi-threading to improve network performance and handle concurrent client requests.
- Built a Python socket programming system with real-time client-server communication using TCP and UDP protocols.
- Developed a reverse shell tool for ethical hacking to demonstrate security vulnerabilities in remote system access.
- Gained hands-on experience in cybersecurity practices, ethical hacking, and secure networking.

Path Finder Web Application | HTML, CSS, JavaScript, DSA

- Developed an interactive web application leveraging Dijkstra's algorithm to determine the shortest route between two cities.
- Demonstrated proficiency in pathfinding algorithms and web development through this project.
- Architected an intuitive interface for seamless route visualization and selection, significantly improving user experience.
- Optimized application performance, reducing processing time by over 40% and boosting user satisfaction by over 30%.

## Technical Skills

**Programming Languages:** Python, Java, JavaScript, SQL

**Backend:** Node.js, Express, React

**Frameworks/Technologies:** React, Node.js, Express, Next.js, Zod, Tailwind CSS, Ajax

**Tools:** Git, GitHub, Docker, Vercel, MongoDB, PostgreSQL, AWS

## Industry Certified Courses

### Udemy

The Complete Full-Stack Web Development by Angela Yu

- Gained comprehensive skills in full-stack development, including HTML, CSS, JavaScript, Node.js, and React.
- Mastered database technologies like MongoDB and SQL, along with deployment and version control using Git and GitHub.

### Google — Coursera

The Bits and Bytes of Computer Networking

- Learned fundamentals of modern networking technologies and protocols.
- Gained insight into cloud applications and network troubleshooting techniques.

### Vitharthi

Python Certification

- Learned Python scripting, automation, web scraping, and file handling.
- Gained expertise in Python programming, data structures, and OOP principles.