

# Arpenaboyina Rakesh

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## Objective

Enthusiastic Computer Science student with expertise in designing scalable backend systems, database management, and API development. Eager to leverage technical skills to develop robust software solutions and deliver impactful user experiences in backend and software engineering roles.

## Education

- **IIIT Dharwad, Karnataka** - B.Tech in Computer Science (CGPA: 8.2) Nov 2022 - May 2026
- **Narayana Junior College, Hyderabad** - Intermediate (MPC) (97.4%) Jun 2020 - May 2022
- **Abhyas Techno School, Miryalaguda** - Secondary (CGPA: 10) Jun 2018 - May 2020

## Projects

- **Security Checker** - Student Security App 🔗
  - Developed a tracking system for student outings with automated notifications using Node.js and MySQL.
  - Integrated email services for sending alerts to users with pending reports.
  - **Skills Used:** Backend Engineering, Node.js, MySQL, Notifications
- **Weather API App** - Real-time Weather Data 🔗
  - Created a React.js-based weather application to display real-time data with efficient state management.
  - Optimized API calls to minimize latency and improve user experience.
  - **Skills Used:** React.js, REST APIs, Frontend Development
- **Ensurance** - Insurance Management Platform 🔗
  - Built a platform for insurance claims and tracking, using Node.js, Express, and MySQL for secure data handling and report generation.
  - Designed RESTful APIs for seamless integration with the frontend.
  - **Skills Used:** Node.js, MySQL, REST APIs, Backend Development
- **HVAC Control System with Neural Networks and Evolution Strategies**
  - Developed an intelligent HVAC control system using neural networks to optimize energy consumption and enhance climate control.
  - Implemented adaptive algorithms to adjust environmental conditions dynamically.
  - **Skills Used:** Python, Machine Learning, Neural Networks, Optimization Algorithms

## Skills

- **Programming Languages:** Python, Java, JavaScript, C
- **Backend Technologies:** Node.js, Express.js, REST APIs, MySQL, MongoDB
- **Frontend Technologies:** React.js, HTML, CSS, Bootstrap
- **DevOps & Tools:** Git, Postman, Docker, Visual Studio Code, Chrome DevTools
- **Computer Science Fundamentals:** Data Structures and Algorithms, Object-Oriented Programming (OOPs), Database Management Systems (DBMS), Operating Systems, Computer Networks
- **Soft Skills:** Analytical Thinking, Problem-solving, Adaptability, Communication

## Achievements

- Solved 250+ problems on LeetCode and CodeChef, demonstrating advanced proficiency in algorithms and competitive programming.
- Secured a 10 CGPA in Secondary School and 97.4% in Intermediate, showcasing academic excellence.
- Member of the HR Conclave Event at IIIT Dharwad, contributing to the organization and success of the event.