

# Vinnakota Phani Kumar

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## Professional Summary

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Computer Science undergraduate with strong problem-solving skills and hands-on experience in Full Stack Development, Backend Engineering, and Mobile Application Development. Proficient in JavaScript, React.js, Node.js, MongoDB, Flutter, and REST API development. Experienced in building scalable, production-ready applications with secure authentication, modular architectures, and responsive user interfaces. Strong understanding of Data Structures, Algorithms, Operating Systems, DBMS, and Computer Networks. Passionate about software engineering, system design, and developing efficient real-world solutions.

## Technical Skills

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

**Frontend Development:** React.js, HTML5, CSS3

**Backend Development:** Node.js, Express.js, REST APIs, JWT Authentication, API Integration

**Databases:** MongoDB, MySQL

**Mobile Development:** Flutter, Firebase

**Developer Tools:** Git, GitHub, Linux, Postman, Android Studio

**Core Computer Science:** Data Structures and Algorithms, Object-Oriented Programming, DBMS, Operating Systems, Computer Networks

**Concepts:** Microservices, CI/CD Basics, Scalable Systems, Real-Time Applications

## Projects

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### EduConnect — Full Stack Education Management Platform

GitHub

- Developed a scalable full stack education platform supporting students, teachers, parents, and mentors with role-based access control.
- Implemented secure authentication and authorization using JWT and bcrypt encryption.
- Designed responsive dashboards for attendance tracking, analytics, academic monitoring, and performance reporting.
- Built modular RESTful APIs to improve backend maintainability and scalability.
- Tech Stack: React.js, Node.js, Express.js, MongoDB.

### SkillTern — Internship Recommendation Platform

GitHub

- Built a web platform that connects students with internship opportunities based on skills and interests.
- Developed backend services and REST APIs using Node.js and Express.js.
- Designed optimized MongoDB database schemas for scalable user and company management.
- Implemented secure authentication, authorization, and session management features.

### ToDo App — Cross-Platform Productivity Application

GitHub

- Developed a cross-platform mobile productivity application using Flutter and Firebase.
- Integrated Firebase Authentication and real-time database synchronization for seamless task management.
- Designed responsive and user-friendly interfaces focused on performance and usability.

## Certifications

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- Python Essentials 1 & 2 – Cisco
- Linux Administration – Red Hat
- JavaScript Certification – Udemy
- Ethical Hacking Weaponization – Udemy

## Education

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**Bachelor of Technology (B.Tech) in Computer Science and Engineering** – Prasad V Potluri Siddhartha Institute of Technology