

ALAPAKA MADHU

+91 9347745815 | alapakamadhusudhanbabu786@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Summary

To secure an Assistant Professor position in Computer Science where I can leverage my strong academic performance (Integrated M.Tech in Software Engineering with a CGPA of **9.46**) and proven classroom handling experience as a Technical Mentor at FACE Prep to deliver effective teaching, mentor students, and contribute to academic excellence.

Education

Vellore Institute of Technology

M.Tech Integrated, Software Engineering

2021 - 2026

Amaravati, AP

• **GPA:** 9.46

• **Achievements:** Awarded Top Rank Certificates (4 times) for academic excellence in Integrated M.Tech (Software Engineering).

Narayana Junior College

Senior Secondary, 10+2

2019 - 2021

Nellore, Andhra Pradesh

• **GPA:** 8.3

Ravindra Bharathi School

Secondary School, 10

2015 - 2019

Venkatachalam, Andhra Pradesh

• **GPA:** 7.8

Experience

FACE Prep

Technical Mentor

Sep 2025 - Present

Coimbatore

- Mentored students in programming fundamentals, data structures, and problem-solving techniques
- Conducted technical training sessions and provided doubt-clearing support to improve coding skills.

Only Click

Software Tester (QA Engineer)

Apr 2025 - Jun 2025

Hybrid

- Performed manual and automated testing using Selenium to ensure functional correctness across modules.
- Executed API testing with Postman and collaborated with developers to log/debug issues using Python, Java & J.S.

Diversified Business Solutions Pvt. Ltd.

Digital Visual Design Intern

Apr 2025 - Jun 2025

Remote

- Participated in a digital visual design internship organized via Unstop, gaining exposure to creative design workflows.
- Worked on enhancing visual assets and learned practical tools/techniques for digital content creation.

Projects

Health Risk Detection System | [Link](#)

Jan 2024 - Mar 2024

- Engineered a Streamlit-based machine learning web application for real-time early detection and risk assessment of five critical health conditions, achieving 92% diagnostic accuracy and reducing manual assessment time by 40%.

Cloud-Based ChatBot | [Link](#)

Aug 2023 - Oct 2023

- Designed and deployed a real-time chatbot on Firebase to educate users on traffic rules, optimizing system response time and ensuring seamless interaction across devices, increasing engagement by 35%.

Advanced Android Attendance App | [Link](#)

Feb 2023 - Apr 2023

- Developed a real-time Android attendance app with seamless automation, integrating user feedback, wireframes (Lucidchart), and Agile workflows (Jira) to improve tracking accuracy, system efficiency, user engagement by 95%.

Positions of Responsibility

NextGen Cloud Club, VIT

Web 2.0 Supervisor

Jul 2023 - May 2024

- Led team coordination for cloud storage, optimizing transfer and ensuring availability.

Pennify Chapter, VIT

Outreach Lead

Aug 2022 - May 2023

- Strengthened cross-functional collaborations, leading to increased engagement and growth.

Skills

- **Programming Languages:** Java, Python, SQL/NO-SQL
- **Developer Tools:** Git, GitHub, Eclipse, VS Code, Power Bi, Draw.io, MS Office, Postman, Jupyter Notebook, JIRA, Figma
- **Frontend Technologies:** HTML, CSS, JavaScript, React.js, Angular, Bootstrap, Figma
- **Backend Technologies:** Node.js, Express.js, Django, Flask, RESTful API Development

- **Data & Cloud Technologies:** AWS (EC2), Azure, Google Cloud (Compute, Storage), Docker
- **Databases:** MySQL, MongoDB, SQLite, Firebase
- **Testing Tools:** Selenium, JUnit/TestNG, PyTest, Jest, Cypress
- **Subjects Handled:** Data Structures & Algorithms, Object-Oriented Programming (Java / Python / C++), Database Management Systems, Operating Systems, Software Engineering, Computer Networks and AI / ML.

Achievements & Rewards

- **Academic Merit Award:** 3rd Rank (2021-2022), 7th Rank (2023-2024) & 5th Rank (2024-2025) in Software Engineering.
- **Runner-up in Flipkart Grid 5.0 & 6.0:** (Unstop E-Commerce Competition), successfully completing the first round.
- **2nd Place Winner in the Hackathon:** organized by NGC Club at VIT-AP University.
- **ISRO Metric Certification on the STAR Program:** demonstrating expertise in space technology and research.
- **Key Event Manager for V-TAPP Technical Fest 2024:** at VIT-AP University, leading planning and execution.

Publications

- A Brief Study on Cyber Crimes and Its Security. *Efes International Scientific Research and Innovation Congress, September 2024 (SCOPUS Indexed), Izmir, Türkiye – UBAK Platform*
- How Controller-Level Caching Enhances RAID-5 Performance. *3rd International Ege Congress on Scientific Research, December 2024 (SCOPUS Indexed), Izmir, Türkiye – Ege University & IKSAD*

Certifications

- Microsoft Azure AI Fundamentals (AI-900)
- Python Certificate – HackerRank
- CodeFest on FCN Programming (Runner-up) – VIT
- Cloud Computing & Core Java – Infosys Springboard
- Full Stack Development – GeeksforGeeks