

# Amireddy Shashank Reddy

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## EDUCATION

2022 - Present	B.Tech in Computer Science at <b>Amrita Vishwa Vidyapeetham</b>	(GPA: 9.11)
2022	Class 12th - Telangana State Board of Intermediate Education	(92.8%)
2020	Class 10th - Central Board of Secondary Education	(81%)

## PROJECTS

- Nitro Sort** | *Algorithms and Data Structures, Python* **May 2024**
- Developed "Nitro Sort," a novel list-based sorting algorithm utilizing a min-heap structure for efficient processing of large datasets.
  - Demonstrated significant computational time improvements over traditional sorting algorithms by dividing the input into sorted sub-lists and merging them.
- myWeather** | *Flutter, OpenWeatherMap API* **December 2023**
- Developed "myWeather," a Flutter application for current weather information retrieval.
  - Utilized the Open Weather GeoCoder API to convert place names to coordinates and integrated the Open Weather Current Weather API for fetching real-time weather data.
- PicSort** | *HTML, CSS, JS* **May 2023**
- Developed "PicSort," a unique sorting visualizer using images instead of bars.
  - Implemented various sorting algorithms for users to observe in action through image manipulation.
- Football Tournament Management System** | *JS, PHP, MySQL* **May 2023**
- Developed a Football Tournament Management System for university-level tournaments.
  - Automated management of teams, players, jersey numbers, captains, and matches.
  - Implemented using HTML, CSS, JavaScript, PHP, and MySQL for database management.

## SKILLS

**Programming:** C, C++, SQL, Python, Java, Data Structures and Algorithms, Object Oriented Programming  
**Core Subjects:** Database Management Systems, Operating Systems  
**Development:** HTML, CSS, PHP, JavaScript, TypeScript, Kotlin  
**Technologies/Frameworks:** ReactJS, NodeJS, ExpressJS, Git, Flutter, Astro

## POSITIONS OF RESPONSIBILITIES

**Lead, bi0sblr CTF Team:** Leading one of India's top 5 CTF teams in competitive cybersecurity.  
**Organizer, bi0s Meetups:** Organized monthly meetups to foster community and knowledge exchange.

## EXTRA-CURRICULAR ACTIVITIES

- National Cadet Corps (NCC) - Air Force** | *Cadet* **June 2018 – May 2020**
- Active NCC-Air Force participation, fostering discipline, leadership. Strengthened teamwork, problem-solving, and sense of responsibility, organized approaches. Gained valuable insights into the principles of aviation and military operations.

## ACHIEVEMENTS

- Secured 3rd place in ShunyaCTF hosted by MIT-ADT Pune.
- Won 2nd prize in Forge GG Hackathon for developing an Instagram filter game.
- Won the Most Innovative Award in AI Hackathon conducted by IEEE Computer Intelligence.