

# Nikhil Rachagani

## Personal Information

**Date of birth:** 03/08/2000

**Nationality:** Indian

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## Profile

Seeking a challenging software developer position that allows me to use my programming skills, problem-solving abilities, and experience in agile development to contribute to a dynamic team. With a passion for exploring the world, reading, photography, and sports, I am eager to bring my diverse perspectives and collaborative approach to any project.

- Analyzing data and conducting compatibility and quality assurance testing.
- Testing and validating work produced as part of the development process.
- Working with a multidisciplinary team to convert business needs into technical specifications.
- User Interface Development.
- Provided user requirements analysis, design and programming support for new user forms and reports of banking and finance package.

## Education

08/2022 – 12/2023  
Denton, United States

### Advance Data Analytics | Masters University of North Texas

- Conducted comprehensive data analysis projects utilizing advanced statistical techniques, resulting in actionable insights to improve business performance.
- Completed coursework in machine learning algorithms, data mining, and predictive modeling, developing a solid foundation in advanced data analytics techniques.
- Collaborated with cross-functional teams to design and implement data-driven solutions, optimizing operational efficiency and driving revenue growth.
- Presented research findings and data visualizations to stakeholders, effectively communicating complex concepts and recommendations for informed decision-making.

08/2017 – 06/2021  
Hyderabad, India

### Mechanical Engineering | Bachelors Vasavi College of Engineering

- Led a 3-member team in the design and fabrication of a sprocket for a Formula student vehicle's chain drive system, optimizing it for performance using ANSYS as a tool.
- Coordinated a 3-member team in the design and analysis of an electronic gear shifter, implementing solenoids and push button switches for improved driver shifting experience, replacing traditional levers.
- Utilized SolidWorks skills to develop an ergonomic design for the electronic gear shifter.
- Served as a Powertrain member for Blitz Racing (SAE SUPRA 2019), gaining technical proficiency in the vehicle's Powertrain and cooling system and contributing to various chassis design considerations.
- Held the role of Powertrain member for Blitz Racing (Formula Student 2020), assuming full responsibility for the cooling system and providing mentorship to junior team members, sharing knowledge of cooling systems.

## Education

08/2015 – 06/2017  
Hyderabad, India

### MPC | Intermediate Sri Gayatri Junior College

- Managed all team finances as the Finance Manager for Blitz Racing (Formula Student 2020), effectively handling financial aspects and producing
- Completed rigorous coursework in Mathematical Physics and graduated with honors, showcasing a solid foundation in advanced mathematical concepts and their applications in theoretical physics.
- Demonstrated exceptional critical thinking and problem-solving abilities through successful completion of complex research projects.

03/2015  
Hanamkonda, India

### Secondary School Certificate Oxford High School

## Awards

## Skills

### – COMPUTER LANGUAGES

C  
● ● ● ● ○

C++  
● ● ● ● ○

SQL  
● ● ● ○ ○

Python  
● ● ● ○ ○

Html  
● ● ● ● ○

### – SPEAKING LANGUAGES

English  
● ● ● ● ○

Hindi  
● ● ● ○ ○

Telugu  
● ● ● ● ●

## Volunteering

08/2019 – 07/2021  
Hyderabad, India

### Head National Service Scheme

- Assumed leadership of NSS at Vasavi College of Engineering for a tenure of 2 years
- Successfully organized and executed a blood donation camp within the college campus
- Demonstrated exceptional ability to manage and motivate a team towards a common goal
- Ensured smooth coordination with relevant stakeholders to ensure the success of the event
- Proven track record of effective planning, strategizing, and implementation in event management.

## Achievements

- Earned second place in the AIME (Associated for Improvement of Maths Education) District competition in 2015.
- Attained second position in the state-level Ball Badminton sport competition in 2015.