

# Penugonda Niharika

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## Summary

Pre-final year Integrated M.Tech student with a strong foundation in Databases, Artificial Intelligence (AI), Machine Learning (ML), and Software Engineering. Seeking an entry-level role to apply technical expertise in software development, data analytics, and machine learning.

## Education

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|---|---|
| • <b>Vellore Institute of Technology (VIT) – Andhra Pradesh</b><br><i>Integrated MTech in Computer Science</i>   CGPA: 8.34 | August 2021 - Present<br><i>Location: Amaravathi, India</i> |
| • <b>Sri Chaitanya Junior College</b><br><i>Board of Intermediate Education – AP</i>   Percentage: 95.4%                    | July 2019 - May 2021<br><i>Location: Kurnool, India</i>     |
| • <b>Ravindra EM HS Girls</b><br>SSC   GPA: 10.0  | May 2019<br><i>Location: Kurnool, India</i>                 |

## Technical Skills

- **Programming Languages:** Python, Java
- **Web Development:** HTML, CSS, JavaScript, Servlets, JSP, Angular
- **Data Science:** Pandas, NumPy, Scikit-Learn, TensorFlow, ANN, XGBoost, Matplotlib
- **Databases:** SQL, MySQL
- **Cloud Computing:** AWS (Amazon Web Services) Fundamentals

## Projects

### Fake Profile Detection using Machine Learning (Duration: 4 months)

- Engineered a high-accuracy machine learning model using Support Vector Machine (SVM) and Random Forest to detect fraudulent social media accounts.
- Analyzed user behavior and profile attributes to enhance fraud detection.
- Achieved an accuracy of 92% enhancing security and reducing misinformation risks.

### Gestational Diabetes Prediction using Machine Learning and DNN (Duration: 2 months)

- Designed a predictive model using XGBoost and Deep Neural Networks (DNN) to assess gestational diabetes risk.
- Integrated medical and lifestyle factors for improved diagnosis and healthcare intervention.
- Attained 95% accuracy, improving early diagnosis and facilitating timely healthcare interventions.

## Certifications

- Presented a conference paper on Gestational Diabetes Mellitus at AICRTHI (2024), publishing in SCOPUS.
- Completed an 8-week Web Development Course Certification at Internshala, covering HTML, CSS, Bootstrap, DBMS, PHP, JavaScript, and React. (Certificate No.: 83dmne85xtg)
- NPTEL Swayam Ethical Hacking Certification (Course ID: NPTEL24CS94S355700070)

## Extracurricular Activities

- Worked as a Content Creator for VCODE, CSI-CHAPTER, VIT-AP
- Participated in Flipkart GRID 6.0 (2024)
- Competed in V.R. Siddhartha Engineering College AI Hackathon (2025)

## Other Interests

- **Soft Skills:** Strategic Time Management, Clear and Concise Communication, Critical Thinking and Decision-Making, Adaptive Problem-Solving
- **Languages Known:** English, Hindi, Spanish, Telugu
- **Hobbies:** Badminton, Singing, Reading Books