Deekshita Athreya

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EDUCATION

Institute of Technology, Nirma University, Ahmedabad, India Oct. 2022 - June 2026
Bachelor of Technology in Computer Science *CGPA: 9.53/10*

Udgam School for Children, Ahmedabad, India Apr 2021 - June 2022
Higher Secondary Certificate Examination, CBSE (Science Stream) *Percentage: 98%, School Topper*

Udgam School for Children, Ahmedabad, India Apr 2019 - June 2020
Secondary School Certificate Examination, CBSE *Percentage: 97.6%*

SKILLS & COURSES

Programming Languages : Python, Java, C++, HTML, CSS, JavaScript
Technologies and frameworks : MySQL, TensorFlow, PyTorch, Flask, MatLab, Blender
Other skills: Proficiency in ML and DL (Regressors, SVMs, Decision trees, CNNs, RNNs, Transformer and encoder decoder architectures), Leadership qualities
Courses: Data structures, Natural Language Computing, Computer Vision, Database systems, Operating systems, Machine learning, Object Oriented Programming, Computer Networks

KEY PROJECTS

Spotify Clone
https://github.com/Deekshita1608/Spotify-Clone.git
- Java Swing application that emulates all major features of Spotify with a near identical UI
- Features include: Login, Signup, Media controls from scratch using multi-threading, playlists and Live search

Delphi - Voice Based Virtual Assistant
https://github.com/Deekshita1608/Delphi.git
- Developed a website with google assistant like features for resolving general queries with over 90% accuracy
- Technologies: HTML, CSS, Javascript and React JS for frontend, Python and Flask for backend, MySQL for database
- Integrates AI lipsyncing technology and Google OAuth Login for immersive experience

ClassVision AI
https://github.com/Deekshita1608/ClassVision-AI.git
- Marks attendance of students from surveillance footage
- Uses YOLO v8 for face detection and custom Siamese network for identification

RESEARCH

* Development of DL model to predict population from genomic data with over 72% accuracy under **Dr. Krithika Rajesh, Asst. Diresctor, Forensic Science Laboratory, Ahmedabad**
* Exploration of non- invasive methods of blood glucose prediction by studying ECG signals under **Dr. Pimal Khanpara**(CNN model with 98% accuracy)
* Development of AI models for crop disease classification under **Dr. Pimal Khanpara**
* 'A Study of Patriarchy and Misogyny in context to Chitra Banerjee Divakaruni's *A Forest of Enchantments*' accepted in *Feminist Theology, Impact Factor: 0.5*

AWARDS AND ACHIEVEMENTS

* **2024** University Gold Medalist in 2nd year, BTech CSE with 9.54 CGPA
* **2023** University Gold Medalist in 1st year, BTech with 9.69 CGPA
* **2023** Ahmedabad city winner and Gujarat state 5th in Times of India Public Speaking Contest
* **2023** Recipient of the Reliance Foundation UG Scholarships
* **2023** Top 10 among 90+ teams in the Smart India Hackathon, Nirma University Chapter
* **2020** Recipient of Aruna Lal Scholarship awarded by Physical Research Laboratory to 5 exemplary candidates among 1500+ applicants.