ADITYA JETHANI

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EDUCATION

Pandit Deendayal Energy University   Gandhinagar, India
Bachelor of Technology in Computer Engineering, CGPA: 9.44   *October 2021 - Expected July 2025*

EXPERIENCE

Software Engineering Intern   Delhi, India
CybraneX Technologies   *March 2024 - Expected September 2024*

- Refined OCR techniques to structure **1000+** unorganized documents, automated integration into cloud storage with **90%+** accuracy and under **5ms** processing time per document.
- Improved Image Tamper Detection system by analyzing **1500+ images**, implemented multi-lingual support and AI-powered information extraction from handwritten content.

Artificial Intelligence Intern   Delhi, India
Free-Thesis, formerly SysMat Solutions   *March 2024 - May 2024*

- Enhanced the accuracy of a HGCN brain disease classification model to **96%** with forward pass alpha models.
- Developed a custom EEGNet deep learning model with self-supervised neural networks to classify depression and analyze seizures into **3** classes with **80%** accuracy score.

Machine Learning Intern   Jaipur, Rajasthan
Redpositive Services PVT. LTD.   *May 2023 - August 2023*

- Augmented language translation model accuracy by **30%** utilizing Bidirectional LSTM network and ensemble methods. Have ensured smooth aggregation with production via version control.
- Coordinated with the back-end team to resolve **7** critical production code issues and pipeline creation.

ACHIEVEMENTS

- **Leetcode** (Max. Rating 1768): Tackled **170+** DSA problems, **Top 11.6%** globally. **Codechef:** Ranked **936** in Starters 113D (among 19000+ contestants), **Hacktober Fest: 15+** Successful open source contributions.
- **Certifications:** Tic Tech Toe (**Top 10 teams**), Data Analysis With Python, **Hackerank: 5+** badges and certifications, **Linkedin Skill Assessment:** Passed C++, MySQL, Object Oriented Programming tests.
- **Others**: Competed in **10+** hackathons such as Smart India Hackathon by Govt. of India and code for good by J.P. Morgan Chase & Co.

PROJECTS

Time Table Generator: *Data Structures, Algorithms, Django, HTML5, CSS3, JavaScript*

- Have designed and developed automatic timetable generator for universities. A responsive web application with capacity of handling **more than 10** user constraints. Produces easy to understand, conflict-free timetables.

Medicinal Plant Chat Bot: *Transformers, Deep Learning, Langchain, React.js, Node.js, CSS*

- Trained a plant identification AI system on over **15,000** images, achieving **86%** accuracy using Deep Learning. Includes a chatbot for user questions, trained on authentic text materials, providing responses in under 5 seconds.

SKILLS

- **Languages:** Python, C++, Java, JavaScript, HTML5, CSS3, SQL
- **Technologies and Core Competencies:** Data Structures, Algorithms, Object Oriented Programming, Django, React, Node.js, Docker, Git, Linux, TCP/IP
- **Cloud Technologies:** Google Cloud Platform, Microsoft Azure, MongoDB
- **Soft skills:** Problem analytics, Communication, Leadership, Team Work, Management, Resiliency

LEADERSHIP

Chairperson, ACM - PDEU Student Chapter   *July 2023 - June 2024*

- Led a community of **50+** developers to enhance the technical culture among students. Working with the team to organize different workshops, expert lectures and events.