

# Suryan Pinnoju

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## EDUCATION

<b>Mahindra University</b>	2021 - 2025
<i>B.Tech Computer Science</i>	<i>CGPA: 7.56 (till 6th semester)</i>
<b>FIITJEE (Saifabad Branch)</b>	2019 - 2021
<i>Intermediate</i>	<i>Percentage: 81</i>
<b>SLOKA (Waldorf school)</b>	2009 - 2019
<b>SKILLS</b>	<i>Percentage: 89</i>

**Languages:** C/C++, Python, Java, JavaScript, SQL

**Frameworks:** Node.js, Express.js, Flask, TensorFlow, PyTorch, Scikit-learn, OpenCV, Keras


**Tools:** MongoDB, Pandas, NumPy, Matplotlib, Git, AWS

## RESEARCH WORK

**Early Detection of Alzheimer's** | *Mahindra University, Hyderabad* Aug 2024 - Present

- Developing a **Vision Transformer (ViT)** model for **early detection and prediction** of Alzheimer's disease using **medical imaging data**.
- Implementing **saliency maps** for **explainable AI**, enhancing segmentation and identifying critical regions in images

## PROJECTS

**CryptoTracker** | *Node.js, EJS, Express.js, MongoDB* |  Github Oct 2024 - present


- Developed a **web-based tracker** integrating **real-time data** from **CoinGecko API**, allowing users to monitor **crypto prices, trends, and history**.
- Implemented a robust **back-end** using **Node.js** and **MongoDB** to **automatically fetch and store data** every two hours, ensuring users have access to the latest information.
- Built **secure login and registration interfaces** to manage **user sessions and personalized access**, enhancing user engagement and **security**.

**AGS** | *Python, Flask, APIs (Gemini), OCR, NLP* |  Github June 2024

- Built a **web application** that grades student submissions by accepting an answer key and student answer PDFs, utilizing an **LLM API** and **real-time data analysis** for evaluation.
- Integrated **OCR** and **NLP** for text processing, to **automate grading and personalized feedback generation**

**Nasty** | *Cloud, MongoDB, Express.js, Node.js* | Link Oct 2024 - present

- Developed a blogging platform with full **CRUD** functionality, allowing users to create, read, update, and delete posts, enhancing interactive user engagement
- Deployed the blogging platform on **AWS**, using **cloud** infrastructure to ensure reliability and scalability for user access.

**BotanicAI** | *Python, Tensorflow, Numpy, Matplotlib* |  Github Jan 2024 - June 2024

- Developed an **AI-based app** to identify Indian ayurvedic plants using **image capture** and CNN models for accurate plant classification .
- Built a **transfer learning model** with 92% accuracy, utilizing **TensorFlow** and **OpenCV** for efficient **image processing** and model training.
- Led a team of developers, managing timelines and focusing on model development.

## INTERNSHIP/TRAINING PROGRAMS

**Entrepreneurship Program** | *Cornell University, Ithaca* June. 2022 - July 2022

- Achieved an **evaluation score of 87/100** and earned a **Certificate of Completion** in this 4-credit course.
- Developed a comprehensive **business plan** while gaining practical experience in applying key concepts, including **entrepreneurial strategy, venture capital, and market analysis**.