

# AMAN KSHETRI

Chennai, Tamil Nadu

+91 9387485916 [chhetryaman3@gmail.com](mailto:chhetryaman3@gmail.com) [LinkedIn](#) [Portfolio](#) [Github](#)

## EDUCATION

### Amrita Vishwa Vidyapeetham

Bachelor of Technology in Computer Science (CGPA: 7.89 / 10)

Sept 2021 - May 2025

Chennai, Tamil Nadu

### New Capital Secondary School

Higher Secondary Education (GPA: 3.5 / 4)

April 2019 - March 2020

Chitwan, Nepal

## TECHNICAL SKILLS

**Languages:** Python, C, C++, Java, Javascript, SQL, HTML, CSS

**Technologies & Tools:** ReactJs, MongoDB, NodeJs, Numpy, Pandas, TensorFlow Streamlit, AWS, Git (Version Control), Bootstrap, Figma, Adobe Photoshop, Linux

**Soft Skills:** Team Work, Presentation, Communication, Leadership

## PROJECTS

### MediCare | Python, Numpy, Pandas, Matplotlib, Streamlit

May 2024

- Developed a sophisticated **machine learning model** capable of predicting disease risk factors based on **15+ health parameters**; reduced manual data analysis time by **50%**, allowing healthcare providers to focus on patient care.
- Implemented and tested a series of machine learning classification models, identifying Support Vector Classification (SVC) as the best performer, achieving an impressive **accuracy of 88%** on both training and test datasets.
- Deployed the platform on the Streamlit and continuously optimized algorithms and infrastructure to enhance usability and performance, resulting in a **20% reduction** in server response time.

### Movix App | ReactJS, Vite, JavaScript, TMDB API

Dec 2023

- Created a fully **responsive web application** built using React and Redux that provides users with information about movies, plot summaries, trailers, ratings, cast and crew details using TMDB API achieving a **99% uptime** during peak loads.
- Hosted the application on Vercel Platform generating the API calls from TMDB Database at a rate of **50 requests per second**.

### TripZen | JavaScript, CSS, HTML and Bootstrap

June 2023

- Developed a **comprehensive travel planner** platform with JavaScript, HTML, and CSS, facilitating intuitive journey creation through advanced destination search, date selection, tour package exploration, and an engaging trip photo gallery for **enhanced user experience**.
- Integrated the app on the GitHub Platform, utilizing its version control and collaboration, ensuring **accessibility** to users worldwide; facilitated a **30% increase** in project completion rates.

## CERTIFICATIONS

**Machine Learning Specialization:** Completed ML Course to enhance technical expertise in building and training supervised and unsupervised models & neural networks.

**Front End Development Libraries:** Demonstrated expertise in utilizing Bootstrap, React, and Redux to build responsive web applications.

**AWS Academy Cloud Architecting:** Mastered foundational concepts of Cloud Computing through hands-on labs and gained proficiency in utilizing AWS services.

## ACHIEVEMENTS / HONORS

- Achieved the prestigious **1st Place Rank** in Ui-timate 2023, emerging victorious in the **UI Design Challenge** conducted by Cognizance Amrita.
- Secured **Runner-Up** position in the highly competitive **Capture The Flag** (CTF) competition, CEPHEUS 2023, organized by IIT-Goa; demonstrated exceptional cyber security skills to outperform **150+ teams**.
- Acquired a valuable **sponsorship** worth USD 4,000 from Amazon Web Services - **AWS** for enrollment in the AI Programming Nanodegree Course along with **2,000 recipients** worldwide.
- Participated actively in the esteemed **Microsoft Learn AI Skills Challenge** held in August 2023.
- Contributed significantly to various open-source projects including **@Hacktoberfest 2022 & 2023**, **@GSSoC 2023**; attracted **90+ new developers** to the community.
- Completed the **Walmart SWE Virtual Experience Program** in July 2023, successfully solving the assigned technical tasks.

## POSITIONS OF RESPONSIBILITIES

- Former Mentor (Cognizance Amrita)** : Guided **100+ students** at Cognizance, **hosted CTF competitions**, and organized numerous events while monitoring the Cyber Security Domain for the **past 1 year**.