PRANAV KOTHAPALLI

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Education

Anurag University, B.Tech. in Computer Science Engineering (Data Science)	Sept 2022 – present

- GPA: 8.21/10.0

Sri Chaitanya Junior Kalasala, Intermediate, TSBIE	July 2020 - Sept 2022

- Percentage: 88.6%

Takshasila Public School, Matriculation, CBSE	July 2010 - July 2020

- Percentage: 84.6%

Experience

Branding and Communications Manager, CSR Summit	Jan 2025 – Apr 2025
Event Volunteer - Kriya Passionate Events	Sept 2023 - present
EPICS Lead, Anurag University IUCEE Student Chapter	Nov 2023 – present

Projects

The Nectar Brew – A Groq-enabled Flask Application to Email Daily Quotes

- Developed a Flask-based application integrated with the Groq API to deliver curated Vedic quotes and send daily inspirations via automated email notifications. Combined backend logic and frontend usability to enhance engagement and user personalization.
- Tools Used: Python, Flask, Groq API, Email Automation

My Instruments Newsletter App

- Built a responsive newsletter registration platform using Next.js and Tailwind CSS, integrated with Google Sheets API for subscriber data storage and management. Demonstrated skills in full-stack development and API integration.
- Tools Used: Next.js, Tailwind CSS, Google Sheets API, JavaScript

Eisenhower Matrix Productivity App

- Created a Tkinter-based productivity tool to organize and visualize tasks using the Eisenhower Matrix framework. Automated desktop wallpaper updates with AppleScript and macOS LaunchAgents for seamless daily prioritization.
- Tools Used: Python, Tkinter, AppleScript, Automation

6/49 Lottery Predictor Application using R

- Developed an interactive R Shiny dashboard that analyzed over 10,000+ historical Canadian 6/49 lottery draws to visualize winning number distributions and calculate probabilities of success for user-selected combinations. Designed intuitive visualizations to interpret rare-event likelihoods effectively.
- Tools Used: R, Shiny, ggplot2, tidyverse, glue

Moneyball Player Analysis

- Analyzed Major League Baseball player and team data using SQLite, writing 12+ SQL queries to extract insights on player salaries, performance metrics, and cost-efficiency. Identified undervalued players and recommended roster optimizations.
- Tools Used: Python, Tkinter, SQLite, SQL

Massachusetts Department of Education (DESE) Data Analysis

- Analyzed statewide education data using SQLite, writing 13 optimized SQL queries to explore relationships between district expenditures, graduation rates, and staff performance. Derived insights on funding efficiency and school outcomes.
- Tools Used: SQL, SQLite

Disaster Resilience Skit – SDG 13 Climate Action

- Conceptualized and presented a creative skit blending traditional and modern methods for disaster resilience. Focused on sustainable community development and social inclusion. Won first place in SDG 13 Domain
- Tools Used: Event Design, Community Engagement

Srusta – A Healthcare Equipment Provider

- Developed a machine learning prototype addressing oxygen cylinder challenges during health emergencies. Collaborated in a cross-functional team as a designer and won first prize in the ML domain.
- Tools Used: Python, Machine Learning, Figma

Nuovo Bags – Ads on Green Bags (HDSE Camp, Agastya Foundation)
- Designed a sustainable solution by printing ads on paper bags as an alternative to plastic usage in weekly markets. Awarded second place for innovation and impact.
- Tools Used: Design Thinking, Sustainability, Social Innovation

Program Designer – AUNSF (AUISC Chapter)
- Designed student workbooks with the AUISC R&D team and coordinated documentaries exploring various domains to promote awareness of SDGs. Contributed to program design and creative direction.
- Tools Used: Event Management, Content Strategy

CSR Summit – Branding & Communications Manager
- Led branding, communications, and documentation for a university CSR Summit. Created reports, newsletters, and visual identity materials aligned with the event's objectives.
- Tools Used: Branding, Communication Strategy, Documentation

Technologies

Technologies: SQL, Excel, Tableau, Python

Certifications

ServiceNow Certified System Administrator — June 2025
- Tools Used: ServiceNow ITSM, Reporting, Dashboards

Deloitte Australia Data Analytics Job Simulation on Forage — April 2025
- Tools Used: Tableau, Excel, Python

Lehigh University Creative Inquiry Humanitarian Design and Social Enterprise Leadership Intensive Program at Agastya Foundation, Kuppam — June 2025