

Asray Gopa

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EDUCATION

Iowa State University - Ames, IA

Bachelor of Arts and Science, Major in Computer Science, Minor in Entrepreneurship

Anticipated: May 2026

3.81/4.0 GPA

EXPERIENCE

Solar Car (priSum)

January 2023 - Present

Strategy & Software Team Member

- Optimized race data simulation database by implementing efficient picking, enabling faster storage, analysis, and retrieval
- Streamlining simulation code processes for enhanced computational efficiency.
- Contributed to software design guidelines, researched processing improvements, and educated members on performance benefits.
- Actively contributing in the redevelopment of the core Android Auto console platform through Java programming

Iowa State University Student Government

September 2022 - Present

Student Senator - College of Liberal Arts and Sciences

- Draft and advocate for student-centric bills, securing funding for campus organizations
- Championing initiatives such as a comprehensive campus resource website and free tutoring credits to enhance student support.
- Fulfill a vital role as a legislative ambassador, lobbying at the state capitol on issues related to mental health, and food insecurity

Scalar News

August 2019 - Present

Editor In Chief

- Provided daily news content to 10,000+ WhatsApp readers in concise format.
- Implemented highly effective social media strategies to expand organization's reach. Managed a team of 40 writers and marketers
- Working on a AI-powered app to enhance new-media perception

Teen Talks Money

August 2019 - September 2022

Chief Executive Officer

- Founded and led an organization focused on promoting financial literacy, successfully engaging a monthly audience of 25,000+
- Supervised a team of 40 content creators, writer, marketers, and designers and orchestrated strategic social media initiatives
- Presented insightful talks on podcasts, student magazines, and articles, contributing to widespread awareness of financial literacy

SKILLS

- Java - OOP, DSA, AWT, Swing, JDBC, Maven, APIs
- Python - OOP, DSA, PANDAs, APIs, Flask
- SQL & MySQL
- Git & GitHub

PROJECTS

Coloring Minds Record Keeping System

- Engineered a Java-based application optimizing after-school art class operations and optimizing business flow
- Orchestrated record, attendance, fee, and payment management, employing advanced data structures for streamlined processing and worked closely with the owner to conceptualize and execute system features
- Crafted secure login, user interfaces, and console interactions and made plans for future enhancements, including advanced features

AWARDS

Iowa State University Innovation Prize 2023

- Secured first place in the AgTech Field for pioneering a wildfire detection and alerts solution, leading a multidisciplinary team to develop a MVP for both hardware and software components using low frequency radio waves.
- The software side included a website and an app that gave updates, data, and mapping information. Achieved a \$2,500 cash prize and enhanced pitch development and communication skills

BuildDSM 2023

- Achieved second place and received recognition for best pitch at BuildDSM, a 24 Hour Hackathon.
- Developed vetU, an AI/ML powered application for veterinary telehealth, facilitating remote assessment of pets' health conditions.
- Spearheaded the development of the back-end infrastructure, integrating image recognition technology, and AI analysis.
- Demonstrated proficiency in training machine learning models to enhance the effectiveness of vetU's diagnostic capabilities.

Clayton Farms Hackathon 2022

- Revamped Clayton Farm website, enhancing functionality and implementing a visually appealing user experience (UX). Created marketing material and conducted bug testing
- Achieved a cash prize of \$600. Acquired valuable entrepreneurship skills through the experience

PATENT

Provisional Application

USPTO EFS ID: 43536320

Folding Instrument Comprising Of Multiple Miniaturized Geometrical Drawing Tools