

MAURYAN UPPALAPATI

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EDUCATION

Tulane University, New Orleans, LA
Ph.D Candidate in Computer Science.

August 2024 - Present

Tulane University, New Orleans, LA

May 2024

Bachelors of Science (B.Sc) Double Major- Physics & Computer Science. Minor- Mathematics

EXPERIENCE

HAYSTAC, Intelligence Advanced Research Projects Activity (IARPA)

August 2024- Present

- Funded by the Director of National Intelligence through the Intelligence Advanced Research Projects Activity (IARPA), the project aims to model and analyze human movement trajectories to detect anomalous patterns while safeguarding privacy.
- Contributed to trajectory analytics and the development of AI models to distinguish between normal and anomalous movement using large-scale datasets from GPS, GIS, and sensor networks.
- Collaborated with cross-disciplinary teams, including industry leaders, to build and test microsimulation frameworks for anomaly detection.

Founder, Companio – AI-Powered Companion App

July 2024 - Present

- Conceptualized and developed an AI-driven app that enables users to create and interact with customizable virtual companions through real-time speech-to-speech technology.
- Led all phases of product development, from designing to implementing speech recognition and synthesis features.
- Conducted market research and user testing to refine the app's features and ensure a seamless user experience.
- Collaborated with a cross-functional team to integrate voice technology, develop the user interface, and scale the app for broader adoption.

Summer Analyst, Gladstone Place Partners, NYC

June 2024 - August 2024

- Conducted comprehensive research on companies to support ongoing projects, providing valuable insights for strategic decision-making.
- Analyzed industry trends and competitor activities to aid in the development of client strategies.
- Collaborated with team members to compile data and present findings in a clear, concise manner.
- Utilized various research methodologies and tools to gather relevant information and ensure data accuracy.
- Assisted in the preparation of reports and presentations for client meetings and internal reviews.

Founder, Charm LLC - ClassCrush

May 2023- Present

- Ideated and founded a mobile application, overseeing its evolution from concept to launch.
- Spearheaded the entire development process, starting from initial idea generation to creating detailed wireframes and user flow designs.
- Led the technical development using the Ionic framework, ensuring cross-platform compatibility for both iOS and Android devices.
- Actively involved in every aspect of the app's development, including coding, interface design, and feature integration.
- Managed the creation and distribution of marketing materials, including app store screenshots, promotional flyers, and visual communication elements.
- Coordinated the marketing strategy, effectively promoting the app to reach a wider audience and enhance user engagement.
- Demonstrated comprehensive skills in project management, design, development, and marketing within the tech industry.

Administrative Aide - Cell and Molecular Biology, Tulane University

June 2023- Present

- Streamline office operations, enhancing overall efficiency and productivity of the department.
- Safely oversee the delivery and receiving of equipment valued over \$15,000 monthly, ensuring proper handling and adherence to safety protocols.
- Maintain and update office websites, databases, and files, ensuring accurate and efficient data management.
- Serve as the primary point of contact for inquiries, promptly addressing concerns and directing inquiries to appropriate personnel.

International Student Advisory Board, Tulane University

August 2023-May 2024

- International Student Advisory Board Member, Tulane University.
- Selected as 1 of 8 board members to represent the needs and concerns of over 1000 international students.
- Offering guidance and advice as an International Student leader, working towards fostering a supportive and inclusive environment for all international students.
- Further selected become a Chair of the International Student Career Support Committee, spearheading initiatives to spread awareness and enhance post graduation opportunities for international students

Student Orientation Leader , Tulane University

May 2023- August 2023

- A pivotal role in facilitating a seamless orientation experience for all new incoming freshmen at Tulane University.
- Serve as a mentor and resource for incoming students, supporting their integration into the university's diverse and vibrant campus culture.
- Lead and conduct workshops and orientation events, equipping incoming students with essential knowledge about academic resources, campus facilities, and university policies.
- Collaborate with university staff and fellow orientation leaders to create engaging and informative orientation sessions, fostering a sense of community and school spirit among incoming students

Event Services Specialist, Lavin-Bernick Center, Tulane University

Jul 2022 - Jul 2023

- Provided guidance and information to over 1000 weekly visitors
- Managing and facilitating conferences and other professional gatherings, ensuring a seamless and enjoyable experience for all participants
- Manage logistical aspects of events, including room setup, equipment arrangement, and coordination with vendors and service providers.

LEADERSHIP EXPERIENCE

Tulane Physics Club, Treasurer

Jan 2022-May 2024

- Managed the club's finances, optimizing budget allocation for activities, excursions, and research ventures.

Tulane Meditation Club, Vice-President,

Aug 2021 - Dec 2022

- Guided and organized community events for 300+ members that nurtured unity and belonging, creating a safe space for students to engage in mindfulness and meditation for mental well-being.

SKILLS & INTERESTS

- **Technical Skills:** Python,C, C++, Matlab, Microsoft Office, Graph Creation, Data Analysis, Java, C, HTML, JavaScript, CSS, Pytorch, Ionic, Shell , Bash
- **Languages:** Fluent in Hindi; Conversational Telegu.
- **Interests:** Meditation, Generative AI, Philosophy, Fitness, Entrepreneurship, Spirituality, Archeoastronomy, Ancient Societies.