Ayesha Satpathy

(469) 910-4750 | www.linkedin.com/in/ayeshasatpathy | ayeshasatpathy@utexas.edu

Education

The University of Texas at Austin   Austin, TX
Bachelor of Science   Expected Dec 2027
Double Major in Computer Science + Mathematics; Minor in Economics
Cumulative GPA: N/A | SAT: 1580
Relevant Coursework: Computer Architecture; Data Structures & Algorithms; Discrete Mathematics; Multivariable Calculus; Statistics & Data
          Science; Microeconomics; Archeological Studies; Language & Politics; Jazz Appreciation

Goldman Sachs: Engineering Possibilities Summit   Virtual
Undergraduate Program in Software Engineering and Cybersecurity   Jan 2025 - Dec 2025

Work Experience

SUITS – *Software Development Intern* | Austin, TX   Feb 2025 – Present
- Redesigning core application components to elevate user experience, streamline user flows, and simplify the class action claim process
  through intuitive UI/UX improvements.
- Spearheading the development and integration of key features for the Suits platform, enhancing performance, usability, and end-to-end
  system efficiency.

Texas Convergent – *Build Teams, AI Division* | Austin, TX   Feb 2025 – Present
- Engineered an AI-driven dance app leveraging MediaPipe for real-time pose detection and performance matching, utilizing Python for data
  processing and model integration.
- Integrated Python-based machine learning models to analyze user movement patterns and provide actionable feedback for performance
  improvement.

Freetail Hackers – *Tech Team* | Austin, TX   Feb 2024 – Present
- Designed and implemented registration infrastructure using SvelteKit, Prisma, and PostgreSQL, optimizing authentication, API performance,
  and CI/CD workflows with GitLab pipelines.

Texas Blockchain – *Software Developer, Labs and Hackathon Divisions* | Austin, TX   Oct 2024 – Present
- Developing innovative Web3 projects using Solidity and smart contracts, focusing on NFTs and DeFi to enhance decentralized applications
- Engaging in hackathon-style teamwork and problem-solving, honing the ability to innovate under pressure and prepare for future
  blockchain competitions.

Longhorn Rocketry Association - *Finance Associate, Business Division* | Austin, TX   Sep 2024 – Present
- Optimized budgets, analyzed data, and coordinated resources for the high-powered rocketry team's Spaceport America Cup while securing
  sponsorships with industry leaders to reduce costs and expand funding.

University Finance Association – *Investment Analyst* | Austin, TX   Feb 2025 – Present
- Developing expertise in financial modeling, valuation techniques, and three-statement analysis to evaluate investment opportunities and
  drive data-driven decision-making.

Projects

- **SureWalk -** Building a safety-first mobile app for UT Austin's Sure Walk program through Longhorn Developers.
- **RoundUP -** Developed a collegiate task marketplace app using React Native (TypeScript) and Firebase, integrating task posting, payment
  processing, and profile management for seamless user experience.
- **MarkUp -** Developing an AI assistant extension for Google Docs, providing contextual writing support and real-time document
  enhancements.
- **FinGPT AI-Powered Financial Insights Engine -** Engineered an AI-driven financial analysis tool with Langchain, ChromaDB, and OpenAI API,
  enabling real-time NLP querying and deep parsing of 300-page reports.

Additional Info

Honors/Awards: Best Design WICS Hackathon 2025, 3rd Place SEISA Collegiate Women's Championship, National Merit Commended Scholar;
AP Scholar w/ Distinction
Certifications: Semiconductor 101 v1.0 Exam by Cadence; Artificial Intelligence Fundamentals by IBM; AI and Semiconductors by UT Austin
Computer Skills: Advanced Java, Intermediate Python, C , PyCharm, JavaScript, HTML, CSS, React Vite, React Native, R, R Studio, MS Office
Interests: Sailing, Badminton, Interior Design, Graphic Design, Travelling, Fashion, Professional Wrestling
Languages: Fluent in English, Hindi, Odia; Proficient in Spanish