

# Grishma Shrestha

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## EDUCATION

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**Louisiana State University (LSU)**, Baton Rouge, Louisiana | Ogden Honors College **Graduation: May 2026**  
*Dual Degree | Bachelors of Science in Computer Science (Software Engineering), Mathematics* **GPA: 4.19 / 4.3**

**Awards:** Chevron Leadership Academy, Chevron Energy Leadership Scholarship recipient, Traditions Scholarship recipient, Roger Hadfield Ogden Honors College Scholarship recipient, Tiger Athletic Foundation Scholarship recipient, Tau Beta Pi

## WORK EXPERIENCE

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**Software Engineering Intern** | *Chevron, Houston, Texas* **May 2025 – August 2025**

- Created and deployed an automated, scalable redirect solution for Chevron's legacy Medicare reporting SharePoint site using Azure FrontDoor, Ansible, and ADO pipelines to ensure zero downtime, preserve organizational bookmarks, maintain uninterrupted legal access, and eliminate 100% of manual intervention
  - Reduced page load time by 53%, improving performance from 6.97 seconds to 3.25 seconds, and enhancing usability and operational efficiency for legal teams accessing Medicare related content

**Software Engineering Intern** | *Chevron, Houston, Texas* **May 2024 – August 2024**

- Created interactive charts and dynamic graphs using C#, Blazor, and JavaScript, enabling users to build dynamic charts and make higher fidelity decisions when allocating CAPEX in the deepwater opportunity backlog
- Implemented an on-demand data refresh feature on an administration page, streamlining operations, saving 5 manual steps, and reducing reliance on manual IT support

**Software Engineering Intern** | *Chevron, Houston, Texas* **May 2023 – August 2023**

- Built and deployed user-friendly PowerApps and SharePoint applications to help 40+ teammates organize weekly updates
- Developed a comprehensive Power BI dashboard to analyze performance across 19 support regions, optimizing resource allocation and enabling data-driven decision-making for regional leadership

**Software Engineering Intern** | *Runatek, Dallas, Texas* **August 2022 – December 2022**

- Led a firmware team of 3 people to package the Sotiras medical device, using Arduino to optimize the foundational algorithm that safely delivers consistent opioid concentrations to patients
- Built 2 front-end GUIs using JavaScript, HTML, and CSS, enabling doctors to set dosing and monitor patient treatment data
- Optimized material selection and developed relations with 2 external partners to expedite supply chain management

## PROJECTS

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**RENV** | *Interior Design: Full Stack Project, Software Engineer* | *Louisiana State University* **August 2024 – December 2024**

- Supervised version control for a 5-person team and managed code integration to maintain a clean codebase, enabling users to interact with RENV across both iOS and Android devices
- Developed a REST API backend with .NET and Swagger UI for seamless mobile-cloud data integration
- Architected a scalable cloud database solution using Google Cloud Firestore to manage furniture inventory and layout configurations, optimizing application performance and data accessibility

## PUBLICATIONS

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Grishma Shrestha, Shristhi Shrestha, Anas Mahmoud. "[No Country for Indie Developers: A Study of Google Play's Closed Testing Requirements for New Personal Developer Accounts.](#)" **ACM Transactions on Software Engineering and Methodology (TOSEM)**, 2025.

## SKILLS

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- **Certifications:** AZ-900 (Azure Fundamentals)
- **Technology/Frameworks:** C#, Azure DevOps (ADO), Azure Cloud, YAML, Ansible, .NET, Power Apps, Power BI, Python, Agile, Scrum, Git, Jira, Visual Studio Code, Visual Studio, SharePoint, Redis, SQL, Linux, JavaScript, CSS, HTML, Blazor, Radzen, Swagger UI, Google Cloud, Firebase, Java, C++, MATLAB, Software Testing
- **Languages:** Native in English, Nepali

## LEADERSHIP

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**Society of Asian Scientists and Engineers** | *Professional Development Chair, Vice President, Advisor* **April 2022 – Present**

- Secured 2 sponsorships for National Convention, increasing the organization's visibility and resources
- Directed the logistics committee for the annual hackathon, ensuring smooth operations and successful execution
- Organized 9 career development initiatives featuring diverse STEM professionals, attracting 40 – 80 attendees per event

**Women in Computer Science** | *Outreach Chair, Vice President, Senior Advisor* **April 2022 – Present**

- Oversee a team of 7 executive board members, ensuring committee operations align with organizational goals
- Coordinated 3 initiatives with other campus organizations, resulting in a 20% increase in collaborative events