

Arnav Sood

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EDUCATION

The University of Texas at Austin

Master of Science in Computer Science

May 2027

Austin, TX

Texas A&M University

Bachelor of Science in Computer Science | **Meta Scholarship** | **GPA: 3.8/4.0**

May 2025

College Station, TX

- **Relevant Coursework:** Data Structures & Algorithms, Human Computer Interaction, Accessible Computing, Computer Architecture, Software Engineering, Network Security, Generative AI

PROFESSIONAL EXPERIENCE

Samsung

Software Engineering Intern

May 2025 – August 2025

Austin, TX

- Architected **reusable framework** using **React.js**, **Java**, and **Maven** to replace **3 third-party Confluence plugins**, achieving **\$30K annual savings**, and reducing development time by **95%** across **3 engineering teams**
- Launched an **AI-powered inline assistant** using **custom in-house LLM** for **Confluence**, decreasing content creation time from **30 minutes** to **18 minutes** for **5000** daily users
- Engineered an **AI summarization feature** for **Confluence** pages to improve information accessibility, reducing average reading time from **8 minutes** to **5 minutes** for technical documentation used by **200+** engineers

Infosys

Software Engineering Intern

June 2024 – August 2024

Richardson, TX

- Created an **AI-powered financial dashboard** using **Microsoft Phi-3 LLM** and **RAG techniques**, reducing processing workflow from **3 steps** to **1 (67% efficiency gain)** cutting manual data collection from **45** to **15 minutes**
- Optimized **database query performance** through **statistical analytics** on large datasets, improving data retrieval speed from **8 seconds** to **3 seconds** for real-time trading applications used by **25** traders

Principal Financial Group

Software Engineering Intern

May 2023 – January 2024

Des Moines, IA

- Enhanced full-stack **Salesforce portal** serving **10,000+** retirement account holders by optimizing **CI/CD pipelines**, reducing portal load times from **12 seconds** to **8 seconds** and improving user experience
- Authored **Lightning Components** using **JavaScript**, **HTML**, **APEX**, and **SOQL** to enhance user interface functionality, increasing daily user session duration from **8 minutes** to **12 minutes**

PROJECTS

Restaurant POS System | *React.js, PostgreSQL, Express.js*

October 2023 – December 2023

- Developed and deployed comprehensive **POS system** using **React.js** and **PostgreSQL** to modernize manual ordering processes, reducing transaction processing time from **3 minutes** to **90 seconds** for **200+** daily customers
- Orchestrated complete **software development lifecycle** from requirements gathering to deployment, reducing staff training time from **4 hours** to **2 hours** through intuitive **user interface design**

Seismic Data Visualization App | *Flutter, AWS S3, AWS Cognito*

May 2022 – August 2022

- Pioneered cross-platform **Flutter application** for **iOS** and **Android** to visualize **seismic data** from **AWS S3** storage, processing **multi-terabyte datasets** and reducing data access time from **5 minutes** to **30 seconds**
- Implemented **AWS API Gateway** and **AWS Cognito** for secure user authentication and data protection, ensuring robust security infrastructure for **50+** authorized users

LEADERSHIP

Google Developer Student Club

Projects Director

October 2023 – October 2024

College Station, TX

- Directed **20-member** team to deliver **4** scalable software solutions for local businesses using cloud-native architectures
- Implemented secure **API integrations** and modern development practices across all team projects

Society of Asian Scientists and Engineers

South Central Regional Conference Chair

September 2023 – March 2024

College Station, TX

- Orchestrated a regional conference for **300+** attendees, managing partnerships with **NASA** and **Shell** and a **\$10K** budget

TECHNICAL SKILLS

Programming Languages: Python, C++, JavaScript, TypeScript, HTML, CSS, Java, SQL, Groovy

Web Development: React.js, Next.js, React Native, Node.js, Express.js, Vue.js

Cloud & DevOps: AWS, AWS S3, Google Cloud, Linux

Data & AI: PostgreSQL, Microsoft SQL Server, SOQL, LangChain, Langflow, Tableau

Developer Tools: Git, VS Code, Postman, JIRA, Confluence, GitHub, Gitlab, Copilot