ANSHITA SAINI

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EDUCATION

Turing Scholar CS Honors, University of Texas at Austin

B.S Computer Science Honors, Business Minor | 📅 May 2024

- **Honors Courses:** Concurrency, Operating Systems, Computer Architecture, Data Structures, Algorithms, Autonomous Driving
- **Selected Courses:** Software Engineering, Programming in C++, Information Search & Web Retrieval, Computer Networks, Cloud Computing, Natural Language Processing
- **Research**: Conducting undergraduate honors thesis on multimodal search (text and images) using OpenAI's CLIP model (**PyTorch**, **NLP**)

EXPERIENCE

Netflix

Software Engineering Intern | 📅 Jun 2023 - Sept 2023

- Reduced security risks and boosted developer productivity by automating deployments for promotional websites
- Developed provision workflow controller in **Go** and **Kubernetes** to automate domain registration and DNS record acquisition
- Enabled Netflix studio teams to access tool through simple Slackbot interface and store records of newly acquired network resources

Google

Software Engineering Intern | 📅 Apr 2023 - Jun 2023

- Improved Google Cloud Platform customer confidence in new project versions by providing a high-level overview of system health with automatic error summary notification feature
- Enabled all Error Reporting users to quantifiably measure project improvements through email, Slack, SMS, or Webhooks notifications
- Provided foundational **C++** infrastructure for future integration of notifications triggered by occurrences other than new errors

Meta (formerly Facebook)

Software Engineering Intern | 📅 May 2022 - Aug 2022

- Improved effectiveness of profile-guided optimizations for Facebook products (AdIndexer, Instagram)
- Developed matching algorithm and infrastructure in **C++** to determine valid parts of stale profile for newer versions of source code
- Verified algorithm on codebase with over 1 million lines of code, resulting in estimated capacity savings of $25M over 1 year

Lockheed Martin

Software Engineering Intern | 📅 Sept 2020 - Jul 2021

- Used **Python**, **Docker**, and **GitLab** to analyze Big Data to find faults on laser systems
- Built **Beautiful Soup** web scraper to generate lead times for 1000+ parts reducing manual work by 60x

University of Washington - Ubiquitous Computing Lab

Research Intern | 📅 Jun 2019 - Jun 2021

- Stroke Risk Detection: Applied computer vision and signal processing (**Python**, **OpenCV**) to extract user's pulse delay from facial videos
- Sonar Sensing: Coded sonar sensing data collection web app using **PHP** and advanced **HTML/Javascript**
- Developed **Python** signal processing and deep learning (**Keras**) techniques to classify activities through phone's microphone

PROJECTS

Offload - Technical Founder | *NextJS, TypeScript, Python*

- Building an AI documentation search assistant for developer-facing products.

Vision - Technical Founder | *ReactNative, TypeScript, PostgreSQL, Python, Django, Django REST framework / ORM*

- Building a full-stack anonymous student community platform to discuss and share resources for professional opportunities in tech
- Serving API with **Python** and **Django REST** framework, querying **PostgreSQL** database for nested comments, posts, and 2FA auth
- Creating responsive, modern UI for user feed with **ReactNative** and **TypeScript**

HONORS

- Recognized as Neo Scholar program Finalist out of over 1000 applicants based on technical skills and entrepreneurial mindset
- Recognized as Coca-Cola Scholar out of nearly 100,000 applicants
- NCWIT Aspirations in Computing Washington Award Winner

SKILLS

- C/C++, Python, Java, Go, JavaScript / TypeScript, React, Kubernetes, Next.js, Git, PHP, LLVM