Abhishek Govindarasu

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EDUCATION

University of California, San Diego
La Jolla, CA
Bachelors of Science in Computer Science, 3.81 / 4.0 GPA
August 2021 – January 2025

- **Coursework:** Data Structures, Algorithm Design and Analysis, Operating Systems, Computer Security, Software Engineering, Machine Learning, Computer Vision, Database Systems and SQL, Compilers, Cryptography
- **Organizations:** Association for Computing Machinery, ACM Cyber, SDCTF 2024 Challenge Author

EXPERIENCE

ServiceNow Developer
La Jolla, CA
University of California, San Diego
December 2022 – Present

- Lead major refactor and migration of Talkdesk system integration, 500,000+ phone logs with no production interruptions
- Intoduce Docusign REST API and Docusign Connect integration with the UC San Diego IT support page
- Create Python CLI tool to validate and modify Confluence user and group permissions, saving hundreds of hours of manual work
- Contribute to over 15% of weekly releases of the ITS-SNOW (ServiceNow) team while remaining a full-time student

Software Developer - AI Trainer
Remote
DataAnnotation
April 2023 – December 2023

- Design and develop prompts for code models specifically targetting HTML/CSS/JS, Python, Java, and Go outputs
- Validate outputs of multiple code focused LLM models for accuracy and security across code samples over various languages

Service Desk Technician
La Jolla, CA
University of California, San Diego
August 2022 – December 2022

- Provide timely and effective technical support to end-users by troubleshooting hardware, software, and network issues
- Collaborate with internal and external specialized technical departments to efficiently resolve issues

ACTIVITIES

Capture The Flag
June 2022 – Present

- CTF Captain and player for L3ak since July 2023, currently ranked top 10 globally on CTFTime
- Develop CI/CD pipeline for automatic Docker build releases using Github Container Registry for 25+ services
- Load balance and maintain infrastructure for the high-traffic L3akCTF event, monitor server usage with Grafana
- 5x First Place CTF winner including the onsite DEFCON32 HackTheBox CTF

Security Research

- Discover and report **CVE-2023-41039**, a sandbox escape vulnerability in the ZopeFoundation's RestrictedPython library

PROJECTS

Secret (secret.ahh.bet)
August 2024

- Develop a web application for securely generating one-time links to sensitive text preventing exposure in message logs
- Utilize Hono and Cloudflare Edge workers for backend for speed and scalability
- Implement Cloudflare D1 serverless database with Drizzle ORM for storage and API operations

What Notepad (what.ahh.bet)
April 2024

- Build a minimal and modern markdown notepad with local-first note storage for easy note taking online
- Implement GitHub OAuth login for persistent note access across devices, automatically synced while working
- Utilize Drizzle ORM over serverless PostgreSQL database to manage migrations and transations for logged in users

Touchdown (touchdown.life)
August 2022

- Develop the touchdown.life website (web game), achieve 25,000+ unique users
- Automate web scrapping, parsing, and creation of player teammate datasets using custom Python script
- Implement graph data structure and traversal algorithm in Javascript to model and generate daily games

SKILLS

- **Languages**: Python, JavaScript, TypeScript, HTML/CSS, Java, PHP, SQL, Go
- **Frameworks/Libraries**: Flask, React, NextJS, Express, PostgreSQL, SQLite, Angular.js, JDBC, GraphQL
- **Tools**: Linux, Docker, Git, Github, Cloudflare, GCP, Redis, Kubernetes, Puppeteer, Grafana, JUnit, Jest