Abhishek Govindarasu

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EXPERIENCE

Software Developer - AI Trainer   Remote
DataAnnotation   *April 2024 – Present*
- 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

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 API and Docusign Connect integration with the UC San Diego IT support page
- Contribute to over 15% of weekly releases of the ITS-SNOW team while remaining a full-time student
- Experience with Customer Service Management, HR Service Delivery, Employee Center development

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 15 globally** on CTFTime
- Build infrastructure and load-balancing for L3akCTF ensuring no downtime during the event
- Develop CI/CD pipeline for automatic Docker build releases using Github Container Registry for 25+ services
- **4x** 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

Academic Projects | *C, C++, Python, Java*   August 2022 - Present
- Develop file compression program in C++ utilizing Huffman Coding Algorithm
- Implement Data link layer utilizing Sliding Window and selective retransmission in C
- Train BERT Transformer for intent classification on Amazon MASSIVE dataset using PyTorch

Secret (secret.ahh.bet) | *React, Hono, Drizzle ORM, Workers, D1*   August 2024
- Develop a web application for generating one-time links to sensitive text preventing exposure in past 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

Touchdown (touchdown.life) | *HTML, CSS, Javascript*   July 2022 – August 2022
- Develop the touchdown.life website (web game), achieve 1000+ daily active users
- Implement graph data structure and traversal algorithm in Javascript to model and generate daily games

EDUCATION

University of California, San Diego   La Jolla, CA
Bachelors of Science in Computer Science, 3.81 /4.0 GPA   *August 2021 – May 2025*
- **Coursework:** Data Structures, Algorithm Design and Analysis, Operating Systems, Computer Security, Software Engineering, Machine Learning, Computer Vision, Database Systems and SQL, Cryptography
- **Organizations:** Association for Computing Machinery, ACM Cyber, SDCTF 2024 Challenge Author

SKILLS

- **Languages**: HTML/CSS/Javscript, Typescript, Python, Java, PHP, SQL
- **Frameworks/Libraries**: NextJS, React, Drizzle ORM, Angular.js, Sqlite, Redis, JDBC, Pandas, OpenCV, Matplotlib
- **Tools**: Docker, Git, Github, Kubernetes, Cloudflare Workers, Puppeteer