Doondy Sai Vyshnavi Koyya

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EDUCATION

The University of Chicago   Chicago, IL
Master of Science in Computer Science   March 2025
Relevant Coursework: Algorithms, Applied Software Engineering, Cloud Computing, Generative AI

Vellore Institute of Technology   TN, India
Bachelor of Technology in Computer Science and Engineering with Specialization in IoT   May 2023
Relevant Coursework: Blockchain and Cryptocurrency Technologies, Privacy and Security in IoT

SKILLS

Programming Languages: Python, PostgreSQL, TypeScript, JavaScript, HTML5, CSS3, React.js, Flask, MongoDB
Cloud & DevOps: Git, GitHub, GitHub Actions, Docker, AWS (EC2, S3), CI/CD, Linux, Postman, Nginx

PROFESSIONAL EXPERIENCE

GrantAide   Chicago, IL
Full-stack Developer Intern   *May 2025*
- Implemented and delivered 10+ feature enhancements and bug fixes for UI components across GrantAide's core SaaS platform and extension app using React, JavaScript, and TypeScript, improving system stability and user experience.
- Managed tasks and progress in an Agile environment using Jira, including detailed ticket creation, sprint planning, prioritization, and resolution tracking to ensure timely delivery of features and fixes.

Falkor8   Chicago, IL
Software Engineering Intern   *July 2024 – September 2024*
- Built the frontend with React for a web app focused on the spider model/Capability Maturity Model for ESG assessment, contributing 40% of the project in a Scrum-based Agile environment.
- Integrated Flask backend with React frontend and set up CI/CD pipelines using GitHub Actions, automating builds and tests to reduce deployment time by 40%.

N.plus Innovations Pvt. Ltd.   Hyderabad, India
Junior Developer Intern   *December 2022 – August 2023*
- Deployed 5+ web applications to AWS EC2, leveraging cloud technologies to optimize resources with AWS S3 and RDS, resulting in a 30% faster deployment process.
- Engineered a suite of more than 10 interactive, responsive web pages powered by React.js. Integrated cloud-based APIs, significantly boosting user satisfaction metrics.
- Built and integrated 8+ RESTful APIs using AWS Lambda and API Gateway, improving data processing by 40% and reducing latency by 20%, while implementing AWS IAM roles for secure access control.

Junior Developer Intern   *April 2022 – July 2022*
- Released 3+ full-stack web applications using React.js and FastAPI, reducing load times by 25% and ensuring seamless integration between frontend and backend while adhering to compliance standards.
- Designed 4+ web pages using React.js and helped set up RESTful API endpoints with FastAPI, improving response time by 30% through optimized routing. Implemented secure access using JWT-based authentication, adhering to industry-standard security practices.

PROJECTS

AI Background Editor | YOLOv8, Autoencoder, Stable Diffusion, VAE   [Link](#) | *January 2025 – March 2025*
- Developed a web app that processes images with YOLOv8 for object detection and segmentation. The app refines masks with an autoencoder, replaces backgrounds using Stable Diffusion, and enhances images with a Variational Autoencoder (VAE) for improved quality based on user prompts.

Auction Site | Python, Docker, gRPC, React, RabbitMQ   [Link](#) | *September 2024 – December 2024*
- Built a scalable auction platform with microservices, React frontend, gRPC, and RabbitMQ, supporting real-time bidding for 1,000+ users. Utilized containerization with Docker for deployment and integrated MySQL, MongoDB, and other non-relational databases for efficient data management and scalability.

Scalable Genomics Annotation Service | AWS, Lambda, EC2, SNS/SQS, DynamoDB   *March 2024 – May 2024*
- Developed an annotation job pipeline with S3 file uploads, AWS Lambda notifications, and AWS Glacier archiving for premium users. Designed scalable infrastructure with load balancing, auto-scaling EC2 instances, and health checks for efficient demand handling.