GAGAN DODDANNA

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EDUCATION

Master of Science - Computer Science / (HCI) **,** DePaul University, IL.	*Nov 2023*
Diploma - UI/UX Design , Edit Institute (Online) , Mumbai.	*Jun 2023*
Bachelor of Engineering - Computer Science , Visvesvaraya technological university (CIT), India.	*Sep 2020*

SKILLS

- **Programming & Scripting** : JavaScript, TypeScript, Python, Java, PHP, R, HTML, CSS
- **Frameworks & Libraries** : React.js, Next.js, Node.js, Express.js, Spring Boot, Bootstrap, JQuery, Laravel (PHP)
- **Databases & Cloud** : MySQL, PostgreSQL, MS SQL Server, dynamoDB, AWS, Firebase, Digital Ocean
- **DevOps & Version Control** : Docker, Jenkins, CI/CD, Git, GitHub
- **Development & Design Tools** : VS Code, Postman, Jira, Slack, Notion, Figma, Adobe Creative Suite, Webflow, WordPress, Bubble.io, Axios
- **UI/UX & Research** : User Research, Wireframing, Prototyping, Interaction Design, Visual Design, WCAG Accessibility, Qualitative & Quantitative Analysis, Card Sorting, Information Architecture, User Testing

EXPERIENCE

Software Engineer - *Yes Hardsoft Solutions Inc , IL*   *Dec 2024 - Present*
- Migrated a legacy enterprise system to a scalable full-stack application using **React.js**, **Node.js**, and **AWS (Lambda, S3)**, improving performance and maintainability.
- Optimized API integrations, enhanced frontend state management, and implemented **serverless architecture** for better scalability and responsiveness.

Full Stack Engineer - *2ndSight.ai , IL*   *Jul 2024 - Nov 2024*
- Developed an AI-powered hiring platform using **React.js, Next.js, Node.js, AWS Lambda**, and **OpenAI API**, enabling **conversational AI, WebRTC-powered** video/audio communication, and **real-time streaming** with **AWS S3**.
- Optimized real-time data handling via **DynamoDB and Firebase**, enhancing **scalability, availability, and speed**.
- Deployed containerized solutions using **Docker** on **AWS EC2/ECR**, integrating **CI/CD pipelines**, boosting **performance by 35%**.
- Improved **UX** by collaborating with designers, leveraging **Agile/Scrum**, and driving **40% engagement growth**, cutting project timelines by **25%**.

Software Engineer - *Triaim Enterprise , IL*   *Feb 2024 - Jun 2024*
- Revamped an **e-commerce platform** by optimizing **UI/UX with tree testing**, implementing a **Next.js & React.js** responsive design, significantly improving **performance & engagement**.
- Designed a **scalable backend** using **Node.js**, **Express.js**, and **RESTful APIs** for product catalog management & sample processing, ensuring **efficient data handling**.
- Automated **CI/CD pipelines** using **GitHub Actions**, streamlining **deployment workflows**, accelerating **feature rollouts**, and improving **team collaboration**.

Web Developer - *DePaul University , IL*   *Mar 2022 - Nov 2023*
- Developed **responsive web applications** using **React.js**, **JavaScript**, **HTML**, **CSS**, ensuring **cross-browser compatibility** and **WCAG-compliant accessibility**.
- Conducted **usability testing**, **wireframing**, and **user research**, aligning applications with **modern UI/UX best practices**, enhancing user satisfaction and engagement.
- Led **Git-based version control** & **Agile development**, streamlining **collaboration** and ensuring e**fficient project delivery**.

Engineer - *Fugo Services , India*   *Aug 2020 - Sep 2021*
- Engineered **scalable web applications** using **JavaScript**, **Java**, **HTML**, **CSS**, optimizing **system integration** and **performance** for BFSI industry solutions.
- Documented and optimized **workflow automation** and **data visualization tools** for Mortgage Support & Banking Operations, improving **decision-making** & **reporting efficiency**.
- Enhanced **CI/CD pipelines** using **Jenkins**, **Docker**, and **Agile methodologies**, reducing deployment times by 30% and improving project delivery efficiency by 25%.

VOLUNTEER EXPERIENCE

Software Engineer (Frontend) - *Bright Mind Enrichment & Schooling, NY(Remote)*   *Sep 2024 – Present*
- Developed **SEO**-optimized, **accessible WordPress sites**, improving **engagement**, **responsive design**, and **corporate outreach** through partnership **research** & **UX best practices**.

ACADEMIC PROJECTS

Movie Database App - *Link*   *Mar 2025*
- Developed a secure, **scalable** movie app with **Next.js, Node.js, PostgreSQL (AWS RDS)**, and image uploads via **AWS S3**, supporting JWT authentication and multilingual UI (i18n). Implemented **Swagger API docs**, **CI/CD**, and deployed the frontend on Vercel and backend on **AWS EC2**, ensuring best practices in cloud architecture and performance.

Full-Stack Indian-Recipe Hub Development - *Link*   *Aug 2024 - Jun 2024*
- Developed a full-stack recipe platform using **React.js** & **Django REST**, deployed on **AWS (S3, EC2, CloudFront)** for **high-performance**, scalable cloud-based delivery & **user engagement**.

CERTIFICATIONS

AWS Certified Cloud Practitioner (CLF-C02)	*Oct 2024 - Oct 2027*
AWS Certified Solutions Architect – Associate (SAA-C03)	*Feb 2025 - Feb 2028*
Generative AI with Large Language Models	*Oct 2024*