

Sai Neelkanth Chary Yarraju

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EDUCATION

The George Washington University • <i>Master of Science in Computer Science</i> GPA – 3.7 • Relevant Coursework: Data Structures, Software Engineering, Advanced Paradigms, DBMS, OOD, Game Theory.	Washington, DC Aug 2022 – May 2024
Guru Nanak Institute of Technology • <i>Bachelor of Technology in Computer Science</i> GPA – 3.8 • Relevant Coursework: Computer System Architecture, Operating Systems, Java, Cryptography & Network Security, Cloud Computing, Compiler Design, Software Testing, Machine Learning, Distributed Databases.	Hyderabad, TS Jul 2018 – Jul 2022

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, JavaScript, TypeScript, SQL, Go (Basic).
- **Frontend:** React.js, Redux, Tailwind CSS, Angular, SCSS
- **Backend:** Node.js, Spring Boot, RESTful APIs, Firebase
- **Cloud/DevOps:** AWS (Lambda, EC2, S3, CloudWatch), Docker, Kubernetes, Terraform, GitLab CI/CD
- **Testing & Monitoring:** JUnit, Postman, Mockito, Splunk.
- **Version Control & Tools:** Git, GitLab, Jira, Confluence, Power BI, UNIX Shell.

PROFESSIONAL EXPERIENCE

Software Engineer <i>PVK Corp</i> • Designed and launched a full-stack event-tracking platform using AWS Lambda , DynamoDB , Node.js and modular React.js components, supporting 10,000+ daily real-time events and improving enterprise customer engagement by 20% . • Partnered in deploying CI/CD pipelines (Gitlab CI/CD) and collaborated on automated test integration using Jest and Cypress , reducing deployment downtime by 40% . • Resolved 35% more production incidents faster through proactive debugging with CloudWatch logs and Splunk telemetry , resulting in higher platform uptime and reliability. • Led code reviews and performance tuning sessions, promoting best practices in maintainable, extensible frontend architecture.	Ashburn, VA Aug 2024 – Present
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Technical Product Assistant – Data & Frontend <i>Chartwells Higher Education Services</i> • Increased self-service interactions by 40% by leading development of a real-time meal plan tracking portal using React.js and SQL . • Automated Power BI reports to deliver live analytics, saving 25% manual effort and enabling insights for 500+ daily users. • Enhanced system reliability by 20% through close collaboration with product , design , and QA teams , improving data accuracy and boosting user satisfaction by 30% . • Designed Python-based ETL scripts to clean and process large-scale food services data , reducing manual errors and waste by 20% .	Washington, DC Sep 2022 – May 2024
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Software Engineer <i>Devtown</i> • Built a modular React.js component library and deployed using AWS EC2 and S3 , reducing project setup time by 15% across dev teams. • Refactored backend and optimized React.js frontend , decreasing API latency to <200ms and user feedback turnaround by 30% . • Aligned UI component standards with 5 cross-functional teammates , cutting review cycles by 20% and boosting design-dev consistency.	Hyderabad, TS Jun 2021 – Sep 2021
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Frontend Developer <i>Imbuedesk ENS PVT Ltd</i> • Designed and implemented interactive UI modules for HR management portal in React.js and SCSS , boosting user retention by 25% . • Integrated RESTful APIs with lazy loading , achieving a 20% reduction in page load times and improvement in UI responsiveness. • Collaborated in end-to-end UI testing using Jest and Cypress , improving release reliability by 30% , reducing post-launch issues by 40% .	Hyderabad, TS May 2020 – Sep 2020
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RELAVANT PROJECTS

Student Exchange Platform <i>React.js, Node.js, Tailwind CSS, Firebase</i> • Delivered a dynamic and responsive marketplace platform, resulting in enhanced user interaction by 35% , by leading the development of a modern website using React.js , Node.js , and Tailwind CSS . • Deployed and maintained a real-time Firestore database with optimized read/write operations , improving query efficiency by 40% and ensuring consistent app performance. • Integrated secure login using Bcrypt.js and interactive sliders via Swiper , increasing engagement by 30% .	
AR Weather Simulator App <i>Unity, C#, Visual Scripts, ARKit/ARCore</i> • Developed an immersive AR weather simulation app using Unity , ARKit , and ARCore for iOS and Android , enabling real-time 3D model interaction and increasing user engagement by 30% across 1,000+ test sessions. • Increased average session duration by 30% using low-poly assets and earned 95% positive user feedback for seamless AR interactivity.	
GW Bars Platform – Local Bars Tracking Platform <i>Oracle APEX, MySQL</i> • Built two user-client database applications with Oracle APEX and MySQL to digitize bar operations, resulting in a 30% reduction in manual booking errors. • Boosted operational efficiency by 30% and supported 500+ monthly reservations across 10+ local venues through advanced search and real-time booking features.	
Cloud-Native Retirement Planning Portal (Personal Simulation) <i>Angular, Spring Boot, AWS, Docker, GitLab CI/CD</i> • Achieved 99.9% system uptime by developing an ADA-compliant Angular UI and resilient Spring Boot backend on AWS , • Reduced deployment time by 40% by implementing containerized GitLab CI/CD workflows using Docker and Terraform on AWS . • Improved test coverage by 60% by integrating OAuth2 , Junit and Postman for unit and integration testing.	

CERTIFICATIONS

- **AWS Certified Developer – Associate** [[Certificate](#)]
- **Front-End Development – Meta** – [[Certificate](#)]
- **AWS Certified Solutions Architect – [In Progress]**