

DAKSH GOTI

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EDUCATION

Master of Science – Computer Science California State University, Long Beach, CA	Aug 2023 – May 2025 (Expected) GPA: 3.6
Bachelor of Engineering – Computer Engineering Charotar University of Science and Technology, Gujarat, India	Aug 2020 - Jun 2023 GPA: 3.85
Related Course Work: Advance AI, Machine learning, Pattern Recognition, Advance Algorithm Design, Advance Software Engineering, Spark, Data Visualization, Object Oriented Design, Search Engine Technology, Cloud Computing, Operating System, Distributed System	

WORK EXPERIENCE

SOFTWARE DATA ENGINEER Metrology Services	Nov 2023 – Present (Long Beach, CA)
<ul style="list-style-type: none">Led healthcare light meter project processing millions of data points using Python backend pipeline, improving processing speed by 65%.Developed data platform with React.js, TypeScript, and MongoDB, implementing GraphQL APIs that enhanced query efficiency by 55%.Engineered Apache Spark streams with ML algorithms and Amazon Redshift to analyze 10TB+ of clinical data with 99.9% accuracy.Designed data architecture with Azure CosmosDB, Data Factory, and API Management for HIPAA-compliant healthcare data processing.Applied Microservices architecture with gRPC communication protocols that refined system modularity and reduced API latency 45%.Utilized Kubernetes orchestration with Terraform for infrastructure-as-code, achieving 99.99% system availability and 30% reduced deployment times.	

SOFTWARE DEVELOPMENT ENGINEER Quad Softech	Jun 2021 – Jun 2023 (Surat, India)
<ul style="list-style-type: none">Architected microservices with .NET Core, C#, and LINQ improving query performance by 45%.Integrated React, Node.js, and Next.js for responsive interfaces.Designed embedded monitoring system for 9500+ businesses using Azure backend and ML.NET algorithms, reducing downtime by 40%.Applied Azure Lambda functions processing 1.5 million daily events with 99.9% reliability and created Power BI dashboards improving forecast accuracy by 25%.Built full-stack solutions combining JavaScript frameworks with .NET backend using REST APIs and SignalR for real-time updates.Led Agile development and established Git/GitHub workflows, while implementing comprehensive testing with xUnit, Jest, and Selenium achieving 95% code coverage.Led Agile adoption and implemented monitoring systems with CloudWatch and Prometheus, resulting in 30% faster project delivery.	

SOFTWARE DEVELOPMENT ENGINEER INTERN JSP Developer Pvt. Ltd	Jun 2019 – May 2021 (Surat, India)
<ul style="list-style-type: none">Engineered microservices architecture with Java and Spring Boot, improving scalability by 30%.Automated CI/CD pipelines with Jenkins, reducing integration time 70%.Migrated logs to a serverless architecture, saving 3 hours per person daily.Built responsive Ad Banner frontend with React and Redux, integrating payment gateways and Git version control. Improved user engagement by 35%.Developed backend using Java Spring Boot, PostgreSQL, and RESTful APIs. Executed location-based targeting with Redis, increasing ad relevance by 40%.Implemented containerization with Docker and Kubernetes, enhancing deployment efficiency.	

SKILLS

Programming Languages:	Java, Python, GO Lang, C++, C, R, Kotlin, Dart, C#, PHP, .NET
Web Development:	TypeScript, GraphQL, React.js, Node.js, Express.js, JavaScript, Bootstrap, JSON, SCSS, HTML5, REST API
Data Engineering:	PySpark, Tableau, Looker Studio, LLM, Fine-tuning, RAG, Data-Pipeline, Image Processing
Cloud Platforms:	AWS, Azure
DevOps Tools:	Kubernetes, Docker, Jenkins, Terraform, GitLab CI, GitHub Actions, Git
Databases:	DynamoDB, Mongo DB, MySQL, AWS RDS, Redshift, PostgreSQL

PROJECTS

Smart Healthcare - (React.js, JavaScript, Django, NodeJS, Git, PostgreSQL, Looker, TensorFlow, CI/CD)	[GitHub]
<ul style="list-style-type: none">• Boosted hospital efficiency by 40% with new features like live chat and diagnosis prediction.• Refined system configuration with the AWS CI/CD pipeline, deployed Looker Studio for enhanced administrative data visualization, and controlled robust data storage and analytics with PostgreSQL, improving system efficiency by 30%.	
Sales Prediction - (Node.js, JavaScript, MongoDB, GitHub, Django, Git, AWS (EC2, Lambda, API Gateway, CloudWatch logs))	[GitHub]
<ul style="list-style-type: none">• Built a Sales Prediction system with React.js, Node.js, MongoDB, and Django, integrating a PyTorch ML model and optimizing API interactions, resulting in a 30% reduction in system complexity and a 25% decrease in bugs.	