

Kunal Desai

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EDUCATION

Master of Science in Computer Science	June 2025
Arizona State University	Mumbai, India
<ul style="list-style-type: none">Coursework: Foundation of Algorithms, Software Security, Digital Video Processing, Database Management System Implementation, Advanced Operating Systems	
Bachelor of Engineering in Computer Science	October 2020
Thadomal Shahani Engineering College	Mumbai, India
<ul style="list-style-type: none">Coursework: Data Structure and Algorithms, Object Oriented Programming, Image Processing, Cloud ComputingGPA: 8.49/10	

EXPERIENCE

Software Development Engineer	September 2020 - July 2023
Deutsche Bank AG	Pune, India
<ul style="list-style-type: none">Developed and maintained a web and app for invoice management, with a focus on decreasing transactional fees and offering invoice financing.Accomplished a 70% reduction in deployment time by implementing a microservice framework and an automated CI/CD pipeline.Reduced inter-service communication latency by 33% by introducing gRPC protocols.Achieved a 30% cost savings and reduced operational effort for infrastructure deployment at Deutsche Bank by establishing infrastructure using Google Cloud, Terraform, and GitHub.Provided training to two interns as part of the Deutsche Bank buddy program.	
Software Developer Intern	May 2019 - December 2019
GreekSoft Technologies	Mumbai, India
<ul style="list-style-type: none">Designed several robust RESTful APIs for a stock application using NodeJS, ensuring efficient and reliable data exchange for the application.Accomplished a 75% reduction in development time by automating CI/CD pipelines using Google Cloud Build, leading to significant time savings.Optimized the previously mentioned APIs, resulting in reduced latency and fewer hops, thereby enhancing overall application performance and user experience.	

PROJECT EXPERIENCE

CSV Validator and Generator	March 2023 - March 2023
https://github.com/kunalmanishdesai/csv-validator <ul style="list-style-type: none">Developed a Java library with built-in rules for checking data structure in Data Transfer Objects (DTOs), allowing users to define and enforce specific validation rules.Added a feature for generating CSV files from DTOs, making data export and manipulation tasks easier.This library streamlined CSV data handling at Deutsche Bank, reducing code by 10% for more efficient processes.	
TricBuzz September 2023 - Present	
https://github.com/kunalmanishdesai/tricBuzz , https://github.com/ravinamita/tricBuzz-backend <ul style="list-style-type: none">Implemented TricBuzz to track gully cricket matches using Flutter (frontend) and Spring (backend).Features include User Authentication, real-time updates for scores and commentary, and infinite scrolling for commentary.The project primarily serves as a personal learning experience to enhance coding practices while exploring Flutter development.	
TSEC Codecell Website:	
<ul style="list-style-type: none">Developed the official TSEC Codecell website using Django, HTML, and CSS, providing a platform for nearly 100 students to engage in weekly coding challenges and fostering a thriving coding community.Improved user experience by implementing features such as Real-Time Scoring and User Authentication, enhancing interactivity and engagement on the platform.	

SKILLS

<ul style="list-style-type: none">Languages: C, Java, Python, HTML, CSS, JavaScript, HCL, Dart, Go, SQL, C#, TypeScriptTechnologies/ Frameworks: Git, Github, Spring, Maven, ReactJS, REST APIs, JUnit, Terraform, GCP, Spring Framework, React (UI, Front end), Ci-CD, Docker, kubernetes, Flutter, Microservices, JPA, Hibernate, JIRA,
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AWARDS & HONORS

<ul style="list-style-type: none">Leadership Award: Recognized for leadership as a Senior Committee Member of TSEC Codecell, responsible for organizing coding workshops, weekly challenges, and hackathons.First Place, Smart India Hackathon 2020: Led a team of six colleagues in developing an end-to-end defected strain detection and supply chain management solution for the National Jute Industry of India.Google Associate Cloud Engineer Certification: Successfully completed certification, demonstrating proficiency in handling various challenges using Google Cloud services.
