

Harsh Nitinkumar Chandak

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Education

Arizona State University, Ira A. Fulton Schools of Engineering Master of Science in Computer Science – GPA: 4.00 / 4.00	Aug 2024 – May 2026
Savitribai Phule Pune University Bachelor of Technology – CGPA: 8.52 / 10.00	Aug 2019 – May 2023

Technical Skills

Languages: JavaScript, TypeScript, Python, PHP, Scala, C++, SQL
Databases: PostgreSQL, MySQL, MongoDB, Prisma, Sequelize
Frameworks: Node.js, Express, Laravel, React, Next.js, D3.js
DevOps & Tools: Docker, Git, Jira, AWS (EC2, S3, Lambda), Azure, Google Cloud, CI/CD
Other: REST APIs, SaaS Architecture, System Design, Agile, API Testing, Debugging, Performance Optimization

Work Experience

Neuromonk Infotech Pvt Ltd <i>Backend Developer</i>	Jan 2023 – May 2024 Pune, India
<ul style="list-style-type: none">Led backend development for 20+ production-grade SaaS applications, focusing on scalability, fault tolerance, and maintainability.Designed REST APIs in Node.js and Laravel, reducing average response times by 30% and improving end-user satisfaction.Optimized Database performance using advanced indexing and ORMs, accelerating query speed by 40%.Built and deployed a real-time analytics dashboard using React (frontend), Flask (backend), and AWS (EC2, S3), enabling business clients to monitor 10+ KPIs with drill-down filters and time-series trends.Integrated JWT-based authentication, responsive UI with Tailwind CSS, and CI/CD pipelines for seamless production updates.Key contributor to the company's flagship ERP platform, deployed across 70+ enterprise clients.Collaborated cross-functionally with product, design, and QA teams to ensure alignment between backend logic and UX/business goals.Mentored junior developers and conducted code reviews to foster engineering best practices and technical ownership.	
ISOBEX LLP <i>Software Engineering Intern</i>	Jul 2021 – Aug 2021 Pune, India
<ul style="list-style-type: none">Refactored database queries for a lead generation software, improving system performance by 35%.Assisted in diagnosing and resolving critical errors, increasing software reliability by 20%.Authored scalable database protocols, ensuring consistency and readiness for future data growth.Participated in Agile ceremonies including daily stand-ups and sprint reviews, gaining hands-on experience with iterative development and team collaboration.	

Projects

Mapping Accident Trends & Patterns: A Data-Driven Storytelling D3.js, Node.js, JavaScript, GeoJSON, Express	Arizona State University
<ul style="list-style-type: none">Processed 185K+ traffic incident records using Node.js, JavaScript, and Turf.js for spatial analysis.Developed 6 interactive, D3.js visualizations to help uncover trends and anomalies in accident data.Built a web application integrating real-time visual insights, earning 3rd place in a course-wide competition.	
Kafka + Neo4j Streaming Pipeline Kafka, Neo4j, KuberNetes, Docker, Python, Apache Spark	Arizona State University
<ul style="list-style-type: none">Built a real-time graph analytics pipeline using Kafka and Neo4j for processing dynamic user or event streams.Containerized deployment using Docker on Minikube Kubernetes, simulating scalable microservices.Implemented data modeling and flow optimization based on BFS/PageRank traversal strategies.	
Automated Warehouse Scenario, Answer Set Programming ASP, Clingo, Python, Declarative Logic, Automation	Arizona State University
<ul style="list-style-type: none">Modeled a grid-based warehouse planner in ASP to coordinate autonomous robots, handling motion, shelf transport, and delivery constraints.Engineered modular rule structure, frame axioms, and constraint satisfaction to ensure plan validity.Built a Python wrapper for dynamic horizon tuning and automated Clingo execution across benchmark instances with 100% success rate.	