Harsh Nitinkumar Chandak

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1500 E Broadway Road, Tempe, AZ 85282

Education

Arizona State University, Ira A. Fulton Schools of Engineering Aug 2024 – May 2026
Master of Science in Computer Science – GPA: 4.00 / 4.00

Savitribai Phule Pune University Aug 2019 – May 2023
Bachelor of Technology – CGPA: 8.52 / 10.00

Technical Skills

Languages / Databases: JavaScript, TypeScript, Python, Scala, PHP, SQL, C++, MySQL, PostgreSQL, MongoDB, Prisma, Sequelize
Technologies / Frameworks: Node.js, Express.js, React.js, Next.js, Laravel, D3.js, Apache Spark, Git, Jira, Docker, AWS (EC2, S3), Azure, Google Cloud, REST APIs, SaaS, CI/CD, Agile, API Testing
Other: Software Engineering Principles, Cybersecurity Fundamentals, Debugging, Performance Optimization, System Design, Cross-functional Collaboration

Work Experience

Neuromonk Infotech Pvt Ltd Jan 2023 – May 2024
Backend Developer Pune, India
- Led the backend development of 20+ production-grade SaaS applications, focusing on scalability, fault tolerance, and maintainability.
- Designed and deployed RESTful APIs using Node.js and Laravel, reducing average response times by 30% and improving end-user experience.
- Optimized SQL queries and indexing strategies, achieving a 40% boost in data retrieval performance.
- Integrated secure third-party APIs for authentication and data workflows, enhancing security and extensibility.
- Acted as a key contributor to the company's flagship ERP system, deployed across 70+ client organizations.
- Collaborated with cross-functional teams (product, design, QA) to ensure technical solutions aligned with UX goals and business needs.
- Participated in code reviews and mentored junior developers, fostering a culture of continuous improvement and technical ownership.

ISOBEX LLP Jul 2021 – Aug 2021
Software Engineering Intern Pune, India
- 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.
- Developed internal tools for automating report generation and data validation, reducing manual workload by 50%.
- 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 Platform Arizona State University
- Processed 185K+ traffic incident records using Node.js, JavaScript, and Turf.js for spatial analysis.
- Developed 6 interactive, drill-down D3.js visualizations to help uncover trends and anomalies in accident data.
- Built a full-stack web application integrating real-time visual insights, earning 3rd place in a course-wide competition.

Blockchain & AI for Detecting Financial Data Breaches Arizona State University
- Proposed an AI-based fraud detection framework with blockchain-backed immutability for sensitive financial data.
- Conducted in-depth research and comparative studies of fraud prevention algorithms and transaction traceability models.
- Delivered a research paper and working prototype that combined cybersecurity, AI, and distributed systems concepts.