Adarsh Shankar

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EDUCATION

DEPAUL UNIVERSITY
MS in Computer Science
June 2024 | Chicago, IL
"Honors - Magna cum laude"
GPA: 3.7 / 4.0

VTU
BE in Computer Science
June 2019 | Karnataka, India

SKILLS

Programming Languages:
C++ • JavaScript • Java • Python • SQL

Backend and Frontend:
Node.js • Express.js • RESTful • APIs
JWT • React • Next.js • HTML5 • CSS3
Tailwind CSS • Redux • Appwrite

Databases:
MySQL • MongoDB • PostgreSQL
Schema Design • Indexing • Query
Optimization

Tools and Others:
AWS (EC2, EBS, RDS, S3) • Git • Jenkins
Docker • Firebase • Postman • System
Design (HLD/LLD) • Microservices
Distributed Systems • Caching • Load
Balancing • Design Patterns
Multithreading • Data Structures &
Algorithms • OS • Networks
Object-Oriented Programming • CI/CD
Agile Methodologies • Micro Front End
JSON • Jira.

LINKS

Solved 400+ Problems on
Leetcode:// **TriffyCodes**
Code360:// **TriffyCodes**
GeeksForGeeks:// **TriffyCodes**

COURSEWORK

Object Oriented Programming
Applied Data Structures and Algorithms
Distributed Systems
Database Programming
Computer Networks
Operating System
Programming Machine Learning
Fundamentals of Data Science

EXPERIENCE

SLIQUE ROBOTICS | Senior Software Engineer
May 2025 - August 2025 | Bengaluru, India
- Spearheaded full-stack development of Devland Academy (LMS) from scratch; led backend with Node.js/Express and infrastructure on AWS.
- Reduced API latency by 40–45% via service refactors, connection pooling, and targeted query optimizations.
- Implemented real-time dashboards, and course tracking, increasing user engagement by 60%.
- Set up CI/CD with Jenkins and Docker on AWS (EC2, RDS, S3), cutting release cycles from 48 hours to 4 hours and reducing incidents.
- Achieved 99.9%+ uptime during peaks through autoscaling & load balancing.
  Tech stack: Node.js, Express.js, MongoDB, AWS, Docker, Jenkins, JWT, Git

OAK STREET HEALTH | Software Engineer Intern
June 2023 - August 2023 | Chicago, IL
- Developed and optimized Node.js/Express REST APIs with strict validation and centralized error handling, stabilizing peak traffic for 10k+ daily requests.
- Implemented JWT-based authentication and authorization middleware, cutting auth-related defects by 30%.
- Added pagination and targeted query optimizations on read-heavy endpoints, reducing average response latency by 40%.
- Created Postman collections and smoke tests; documented API contracts to streamline QA and handoffs.
  Tech stack: JavaScript, Node.js, Express.js, MongoDB, Postman, Git, React.

INFOSYS LIMITED | Systems Engineer
December 2019 – September 2021 | Bengaluru, India
- Built and maintained Node.js/Express REST APIs for healthcare workflows with robust validation and JWT-based access, supporting 100,000+ users globally.
- Optimized PostgreSQL with indexes and pagination, reducing average API response time by 30% and cutting peak DB load by 20%.
- Automated CI/CD with Jenkins and Docker; standardized configs on AWS (EC2, RDS, EBS), reducing deployment time from 2 hours to 20 minutes.
- Implemented structured logging and alerts, improving mean time to detect (MTTD) for API errors by 35%.
  Tech stack: Node.js, Express.js, PostgreSQL, AWS, Docker, Postman, Git

PROJECTS

VIDEOMATE BACKEND | Project Link
- Designed a scalable Node.js/Express API for a video-sharing platform with JWT auth, video uploads, playlists, subscriptions, and MongoDB aggregates.
  Tech Stack: Node.js, Express.js, MongoDB, Multer, Cloudinary, JWT, bcrypt.

TRAVELMATEAI (AI-BASED TRAVEL PLANNER) | Project Link
- AI-powered travel planner using React, Firebase, Gemini AI.
  Tech Stack: React, JavaScript, Firebase, Gemini AI, Google API.

PEN AND PIXELS (A BLOG APP) | Project Link
- Blog platform with user authentication and CRUD using Appwrite and React.
  Tech Stack: React.js, Appwrite, Redux, TinyMCE, react-router-dom, Vercel.