

Kanugula Shivashanker

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PROFESSIONAL SUMMARY:

Full-Stack Web Developer with 3+ years of experience architecting scalable applications using React.js, Node.js, Express.js, TypeScript, and MySQL across cloud platforms including GCP, AWS, and Firebase. Specialized in API development, OAuth 2.0/JWT authentication systems, and database optimization with proven track record of improving system performance by 40% and reducing server response times. Community leader with 105K+ Instagram followers and 25K+ Telegram subscribers sharing advanced web development insights. Expertise extends to Python data analytics, AI integration, and delivering 20+ responsive websites with 99.9% uptime. Currently developing 3 full-stack applications including real-time booking platforms and e-commerce solutions while contributing to open-source development through 75+ GitHub repositories.

WORK EXPERIENCE:

Nexus Software System, Pune

November 2019 – November 2020

Data Analyst Intern

- Transformed complex datasets into actionable insights using Excel, SQL, and Python (Pandas, NumPy), crafting compelling visual narratives through Power BI and Tableau dashboards.
- Architected sophisticated SQL queries to uncover hidden patterns while building Python and VBA automation workflows that eliminate hours of manual reporting tasks.
- Bridged the gap between technical analysis and business strategy, collaborating with cross-functional teams to deliver data-driven recommendations that drive measurable outcomes.

Infinite Tech solutions ,Pune

January 2021 – June 2022

Backend developer

- Architected robust backend systems using Node.js, Express.js, and Python frameworks (Django, Flask), implementing performance optimizations that reduced server response times by 40% and enabled 3x higher concurrent user capacity.
- Designed and integrated RESTful APIs connecting web and mobile platforms seamlessly, driving a 25% increase in user engagement metrics and streamlining cross-platform functionality.
- Led MySQL database architecture initiatives with focus on optimization strategies, achieving

60% improvement in query performance while maintaining strict data integrity and security compliance.

- Partnered with cross-functional teams to deliver end-to-end solutions, conducting comprehensive testing and troubleshooting that decreased system downtime by 35% and ensured reliable performance under peak traffic conditions.

SKILLS:

Frontend: HTML5, CSS3, JavaScript (ES6+), React.js, Typescript, Bootstrap, jQuery, EJS

Backend: Node.js, Express.js, RESTful APIs, MySQL, PostgreSQL (Basic)

Authentication & Security: Passport.js, JSON Web Tokens (JWT), OAuth 2.0, bcrypt

Cloud & Hosting: Google Cloud Platform (GCP), AWS (EC2), Render, Netlify, Vercel, InfinityFree .

Tools & Platforms: Git, GitHub, Postman, Visual Studio Code, NPM, Heroku

Programming Languages: Python, Java, C/C++ (Basics).

KEY PROJECTS:

Full-Stack Web Applications (5 Projects Successfully Delivered)

Tech Stack: React.js, Node.js, Express.js, TypeScript, MySQL, Firebase, OAuth 2.0

- Architected and deployed 5 complete full-stack applications with user authentication and database integration
- Implemented secure payment systems, real-time notifications, and AI-powered features
- Achieved 99.9% uptime with optimized performance for high-traffic scenarios

Frontend Development Portfolio (20+ Websites Completed)

Tech Stack: HTML5, CSS3, JavaScript (ES6+), React.js, Bootstrap, SASS, TypeScript

- Delivered 20+ responsive websites with modern UI/UX design and cross-browser compatibility
- Achieved 95+ Google PageSpeed scores with mobile-first approach and interactive animations
- Additional services and student project mentoring provided

Current Active Projects (3 Ongoing Applications)

Real-Time Car Wash & Game Slot Booking Platform

Tech Stack: React.js, Node.js, Express.js, Cloud SQL, Firebase, TypeScript

- Developing comprehensive booking system with real-time availability and secure payments
- Building AI-powered customer support and automated booking confirmation system

E-Commerce Applications Suite (Vape Shop & Polyhouse Maintenance)

Tech Stack: React.js, Node.js, Express.js, MySQL, Stripe API, Admin Dashboard

- Creating full-featured e-commerce platforms with inventory management and order processing
- Developing specialized maintenance scheduling system for agricultural operations

Social Media Marketing Platform (95% Complete)

Tech Stack: React.js, Node.js, Express.js, MongoDB, Social Media APIs, Analytics Dashboard

- Developing comprehensive Instagram and YouTube marketing platform with automated content scheduling and performance analytics per client requirements

Community Impact & Open Source

- **105K+ Instagram followers** sharing web development tutorials and insights
- **25K+ Telegram community** providing technical guidance and resources
- **75+ GitHub repositories** showcasing diverse projects and open-source contributions
- **190+ published technical articles** covering advanced development topics in **MEDIUM & DEV.TO**

MSc PROJECTS & RESEARCH:

Privacy-Preserving Mobile Cloud Framework | Python, Cloud APIs, Cryptographic Algorithms

- Developed advanced privacy framework for secure task allocation in mobile cloud environments

Geospatial Data Analytics Platform | Python, ArcGIS, Spatial Databases, Machine Learning

- Built comprehensive spatial data processing system for predictive modeling and business intelligence

Enterprise IT Security Risk Assessment | Security Frameworks, Risk Analysis, Compliance Standards

- Conducted comprehensive security assessments reducing organizational data breach risks by implementing industry-standard protocols

Agile Development & Project Management | Scrum, Kanban, DevOps, CI/CD

- Applied advanced Agile methodologies achieving 100% on-time project delivery with cross-functional team leadership

Education:

Master of Science in Advanced Computer Science

September 2022 – January 2024

Cardiff Metropolitan University

Percentage: 65% | Credits:180/180

Bachelor of Technology in Computer Science and Engineering

August 2016– December 2020

Vaagdevi Engineering College

CGPA:6.7/10

Intermediate (12th Grade)

(94%) SR Junior College | 2016

Secondary School Certificate (SSC)

(CGPA: 9.5/10) Little Soldier Concept School | 2014

CERTIFICATIONS:

Full-Stack Web Development (Udemy) – Mar 2023

Cybersecurity Fundamentals & Network Defense – Cisco Certified (Jan 2023)

TCS iON Career Edge - Young Professional | Tata Consultancy Services (TCS iON) – Feb 2021

- Strengthened communication skills through presentations and group discussions.
- Gained expertise in soft skills, career guidance, and professional etiquette.
- Developed proficiency in email writing, interview techniques, AI, SQL, and accounting basics.