Kanugula Shivashanker

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⊞ https://www.shivashanker.com

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Professional Summary:

I'm a full-stack web developer who thrives on building scalable applications with React, Node.js, Express, and MySQL. My expertise lies in creating high-performance solutions that handle real-world demands, with deep experience in API integrations and authentication systems like OAuth 2.0 and JWT. I've deployed projects across various cloud platforms including GCP, AWS, Netlify, and Render, always focusing on optimal performance. What drives me is tackling complex problems—whether it's optimizing database efficiency, improving application speed, or diving into data analysis with Python and SQL to extract meaningful insights. I'm constantly exploring new web technologies because this field never stops evolving. My analytical mindset helps me solve challenging technical problems, but ultimately, I'm passionate about delivering seamless digital experiences that truly work for users.

Work Experience:

Nexus Software System, Pune   Nov2019 – Nov2020

Data Analyst Intern

- I transform complex datasets into actionable insights using Excel, SQL, and Python (Pandas, NumPy), crafting compelling visual narratives through Power BI and Tableau dashboards.
- I architect sophisticated SQL queries to uncover hidden patterns while building Python and VBA automation workflows that eliminate hours of manual reporting tasks.
- I bridge 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   Jan 2021 – Jun 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, Bootstrap, jQuery, SASS, EJS

Backend: Node.js, Express.js, RESTful APIs, MySQL, MongoDB, 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:

Real-Time Car Wash Booking Web Application(ongoing)

*Tech Stack:*React, Node.js, Express.js, Firebase Hosting , Cloud Sql, CSS, OAuth 2.0, Google APIs

- Built a full-stack car wash platform with manual and Google login, secure payment, and real-time booking capabilities.

- Enabled users to create profiles, manage multiple vehicles, and book services by selecting date, time, and wash type.

- Integrated AI-powered assistance to provide real-time service info and support.

- Implemented booking history tracking, review system, and a multi-channel help center.

- Developed a responsive UI for seamless experience across devices.

Vapeshop Offlicence (Ongoing) AND Polyhouse Market (Ongoing)

*Tech Stack:*React, Node.js, Express.js, Firebase Hosting , Render, CSS, OAuth 2.0, Google APIs

Personal Portfolio & Interactive Resume(www.shivashanker.com)

Tech Stack:React, Node.js, Express.js, SQL, CSS, OAuth 2.0, Google APIs,news APIs, AI Integration

- Built a dynamic, self-updating portfolio to showcase skills and projects with real-time customization and an admin dashboard.

- Integrated smart UI features like light/dark mode, time-based greetings, and live weather updates.

- Developed an AI-powered chatbot for visitor support and FAQs.

- Enabled secure login via Google OAuth, manual registration, and guest mode.

- Added live news feed and background customization for a personalized experience.

- Implemented full CRUD operations to Add/update references

Frontend Development Showcase

Tech Stack: HTML, CSS, JavaScript,Bootstrap, Scss, Ejs

- Created 100+ interactive UI projects with a focus on responsive design, animations, and user experience.

- Developed modern landing pages with smooth animations, ensuring cross-browser compatibility.

- Built dynamic dashboards with real-time data visualization and advanced form validation.

Additional Projects and Assignments:

- **Location Privacy in Mobile Cloud Computing:** Developed a privacy-preserving framework for secure task allocation in mobile cloud environments.

- **Geospatial Analysis:** Used Python and ArcGIS for spatial data processing to solve geographic challenges and support data-driven decisions.

- **End-User Computing Risk Management:** Assessed and mitigated IT security risks, strengthening data protection in corporate environments.

- **Software Development & Project Management:** Applied Agile methodologies to optimize workflows and ensure on-time project delivery.

Education:

Master of Science in Advanced Computer Science   Sept 2022 – Jan2024

Cardiff Metropolitan University   Percentage: 65% | Credits:180/180

Bachelor of Technology in Computer Science and Engineering   Aug2016 – Dec2020

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 2024

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

TCS iON Career Edge - Young Professional | Tata Consultancy Services (TCS iON) – Feb 2022

- 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.