Kanugula Shivashanker

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in LinkedIn | GitHub | Portfolio

Professional Summary

Highly skilled Full-Stack Web Developer specializing in React, Node.js, Express, and MySQL, with a strong focus on building scalable, high-performance applications. Experienced in API integrations, authentication (OAuth 2.0, JWT), and cloud deployment across GCP, AWS, Netlify, and Render. Passionate about performance optimization, database efficiency, and leveraging data analysis (Python, SQL) to drive insights. A problem-solver with a keen analytical mindset, dedicated to staying ahead of modern web technologies and delivering seamless digital experiences.

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, PlanetScale

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

Work Experience:

Nexus Software System, Pune   April 2022 – June 2023

Data Analyst Intern

- Utilized Excel, SQL, and Python (Pandas, NumPy) to clean and prepare large datasets for analysis.

- Built interactive dashboards and reports with Power BI and Tableau to monitor business performance.

- Developed and optimized SQL queries for data retrieval and in-depth analysis.

- Streamlined reporting tasks by automating processes with Excel Macros (VBA) and Python scripts.

- Collaborated with multiple teams to deliver data-driven insights and support business decisions.

Key Projects:

Personal Portfolio & Interactive Resume (React, Node.js, MySQL)

Developed a dynamic, self-managing portfolio to showcase skills, experience, and projects with advanced features for real-time customization.

Tech Stack: React, Node.js, Express, MySQL, OAuth, Google cloud platform, Websockets, API's

- Smart UI: Integrated light/dark mode, personalized time-based greetings, and live weather updates for an interactive experience.

- AI Chatbot: Implemented an AI-powered chatbot for answering FAQs and assisting visitors.

- News & Customization: Added a real-time news feed and background customization for a unique user experience.

- Secure Authentication: Enabled Google OAuth login and guest mode.

- Admin Dashboard & CRUD Operations:

    o Integrated CRUD functionality for adding, modifying, and removing references in the portfolio.

    o Allowed real-time modifications to personal details, experience, and projects without modifying code.

E-Commerce Backend API (Node.js, MySQL, HTML, CSS)

Built a scalable backend for an e-commerce platform, ensuring smooth communication between the frontend and backend.

Tech Stack: Node.js, Express, MySQL, JWT Authentication, HTML, CSS

- Product & User Management: Developed RESTful APIs to handle user authentication, product listings, and order processing.

- Secure Transactions: Implemented JWT authentication and encrypted user credentials for security.

- Optimized API Performance: Designed a structured database schema for faster data retrieval and scalability.

Frontend Development Showcase (HTML, CSS, JavaScript)

Created 10+ interactive UI projects, focusing on design, animations, and responsive layouts.

- Modern Landing Pages: Developed responsive, high-performance landing pages with smooth animations & Ensured seamless performance across all major browsers

- Interactive Dashboards: Designed dynamic dashboards with real-time data visualization, form validation, and UI enhancements.

Additional Projects and Assignments:

- **Protecting Location Privacy in Ad Hoc Mobile Cloud Computing**: Developed a privacy-preserving framework for task allocation in mobile cloud computing, addressing challenges in location privacy and enhancing data security across mobile devices.

- **Geospatial Analysis**: Leveraged Python and ArcGIS for spatial data processing, solving real-world geographic challenges and enhancing decision-making with data-driven insights.

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

- **Software Development & Project Management:** Implemented Agile methodologies to streamline development workflows, ensuring timely delivery and optimized technology execution..

Education:

Master of Science in Advanced Computer Science   Sept 2022 – Jan2024

Cardiff Metropolitan University   Percentage: 63% | Credits:180/180

Specialization: Software Development, Information Security, Data Analysis, Research Methods, Cloud Computing

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 2025

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

Cisco Certified Network Associate (CCNA) – Cisco Networking Academy | Feb 2020

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.

Python, java & C/C++ Programming – Sri Chaitanya Academy | 2021