PRASHANTH GOUD

Empowering Tomorrow

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CAREER OBJECTIVE

Enthusiastic and driven Software Developer with a strong foundation in problem-solving, programming, and web development. Eager to contribute to innovative software projects and collaborate in dynamic, agile environments to deliver high-quality solutions. Passionate about continuous learning and professional growth in the tech industry.

EDUCATION

Degree	Institute/Board	CGPA	Year
B.Tech., IT	Geethanjali College of Engineering and Technology	7.5	2025
Diploma in Civil Engineering	VNR Vignana Jyothi Institute of Engineering	9.3	2022
SSC	Scholar's Model High School	9.8	2019

SKILLS

- **Languages:** Java, JavaScript (ES6+)
- **Web Development:** MERN Stack (MongoDB, Express.js, React.js, Node.js), HTML5, CSS3, Tailwind CSS, Bootstrap, REST APIs
- **Tools Frameworks:** Docker, Firebase, Redis, OpenCV, Postman
- **Software Engineering:** Object-Oriented Programming, Agile Methodologies

CERTIFICATIONS

SmartCoder - SmartInterviews | Java Programming - Oracle Academy

EXPERIENCE

Cybersecurity Intern
Supraja Technologies, Hyderabad, India

- Gained knowledge in cybersecurity, focusing on identifying system vulnerabilities and applying security mechanisms to mitigate potential threats.
- Learned about various security protocols, encryption methods, and risk management techniques to safeguard digital assets and ensure data privacy.
- Gained experience with common attack vectors such as phishing, malware, and SQL injection, and implemented basic countermeasures.

PROJECTS

Coffee with Corporates   Project Link

- Developed an ERP CRM platform using MERN stack and **Ant Design**, addressing usability by creating intuitive interfaces.
- Improved **scalability** with **microservices**, enabling independent scaling of modules like inventory and customer management.
- Solved bottlenecks by introducing **Redis caching** and optimizing database queries, reducing response times by 40%.
- Resolved issues with secure user management by designing a **role-based access control (RBAC)** system with JWT authentication.
- Demonstrated problem-solving by identifying and fixing critical bugs under tight deadlines, ensuring timely project delivery.
- Proactively debugged and resolved system issues using **root cause analysis** and collaborative brainstorming.
- Managed project constraints, balancing optimization and feature development.
- Streamlined testing processes, ensuring reliable and efficient performance.

Netflix GPT   Project Link

- Built a dynamic recommendation system using **React**, **TailwindCSS**, **OpenAI GPT**, and **Redux** for state management, enhancing user experience with personalized content delivery.
- Implemented scalable **user authentication** with **Firebase**, role-based access control, and seamless login flows.
- Integrated **TMDB API** and **Redux** to build a recommendation engine with efficient state management and real-time updates.
- Optimized performance by refining API calls, using caching, and implementing lazy loading to reduce latency.
- Designed **modular components** for reusability, adhering to clean coding and industry design principles.

Image Steganography Using LSB

- Led development of an image steganography app during the internship, utilizing Python and the Least Significant Bit (LSB) technique.
- Played a key role in designing an intuitive user interface for encoding and decoding messages, leveraging OpenCV and PIL.
- Ensured data security by implementing advanced encoding techniques, optimizing the algorithm for minimal distortion and robustness.
- Collaborated with a team to identify requirements and deliver features on time, demonstrating adaptability and communication skills.
- Showcased problem-solving by addressing algorithm optimization and interface design challenges under tight deadlines.‘

ACHIEVEMENTS

- **1st Place** in CyberSecurity and Ethical Hacking Hackathon by Supraja Technologies, excelling in vulnerability identification and mitigation.
- **Branch Rank 232** in Engineering Common Entrance Test (ECET), reflecting strong academic and technical aptitude.