



SAGAR CHAVAN

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SUMMARY

Aspiring cybersecurity professional with a strong foundation in computer science and business systems. Experienced in web development, database management, and cybersecurity, with hands-on experience in ethical hacking, penetration testing, and network security. Proficient in multiple programming languages, including Python, Java, and C++. Completed multiple internships in cybersecurity, web development, and research. Passionate about AI-driven solutions and problem-solving, with a keen interest in enhancing user accessibility and security. Strong leadership, teamwork, and communication skills, demonstrated through project management and event coordination.

EDUCATION

Bachelor of Technology in Computer Science and Business Systems Dec 2021 – Expected Jul 2025
Visvesvaraya Technological University, Belagavi
CGPA: 7.58/10

PUC(PCMB) Jun 2019– Jul 2021
R DPatil P U College Sindagi, Vijayapura, Karnataka

SSLC Jun 2018– Apr 2019
H GPU College Sindagi, Vijayapura, Karnataka

SKILLS

Technical Skills

Programming Languages :	C, C++, Python, Java, JavaScript, HTML, CSS
Web Development:	HTML, CSS, JavaScript
Database Management :	SQL
Cybersecurity :	Network Security, Risk Management, Vulnerability Assessment
Tools and Technologies :	VS Code, Git, Linux, Microsoft Office, Android Studio, Figma Software
Project Management:	Agile Methodologies, Documentation Assistance
App Development:	UI/UX Design, AIML, Dart, Flutter

Soft Skills

Communication, Teamwork, Problem-Solving, Time Management
Adaptability, Critical Thinking, Leadership.

CERTIFICATIONS

- Post Graduate Diploma in Computer Applications (PGDCA)
- Google UX Design (Coursera)
- Google Cybersecurity (Coursera)
- Google IT Support (Coursera)
- Google IT Automation with Python (Coursera)
- Google Project Management (Coursera)
- Google Google Data Analytics (Coursera)
- Google Google Advanced Data Analytics (Coursera)
- Google AI Essentials (Coursera)

INTERNSHIP/TRAINING

Research Intern

Risk Guard Enterprise Solutions OPC Private Limited

Jan - 2025 – Present
Hyderabad, Telangana, India

- Currently working on three projects focused on UI/UX design and web development.
- Designing intuitive and user-friendly interfaces to enhance user experience.
- Developing responsive and functional websites using modern web technologies.
- Collaborating with teams to implement innovative design solutions.
- Gaining hands-on experience in research-driven design and development.

Cyber Security Project Intern

Centre for Development of Advanced Computing (C-DAC)

Dec 2024 – Jan 2025
Virtual

- Conducted Ethical Hacking and Penetration Testing exercises under Basic Advanced Cyber Gyan programs.
- Gained expertise in network security, malware analysis, Linux administration, cloud computing, and cryptography.
- Hands-on experience in network scanning (Nmap), vulnerability scanning (Nessus, Nuclei), DNS enumeration, and Google Dorks.
- Project: Automating Man-in-the-Middle (MitM) Attacks – Developed tools for ARP Spoofing, DNS Spoofing, SSL Stripping, and Session Hijacking to enhance security research and testing.

Web Development Intern

CodSoft

Jan 2024 – Feb 2024
Virtual

- Built responsive web projects, including a Landing Page, Portfolio Website, and Calculator App.
- Used HTML, CSS, JavaScript for modern UI/UX and interactive elements.
- Focused on performance optimization, accessibility, and mobile responsiveness.
- Managed code with Git GitHub.

Project Reasearch Intern

Visvesvaraya Technological University, Belagavi

Nov 2023 – Jan 2024
Belagavi, Karnataka

- Conducted research on Cross-Lingual Information Retrieval (CLIR) to enhance multilingual search accessibility.
- Developed CLIR models using NLP, Machine Translation (MT), and AI-driven techniques for improved information retrieval.
- Worked with large datasets to preprocess and fine-tune language models for better retrieval accuracy.
- Explored speech-to-text and text-to-speech technologies for multimodal retrieval.

Understanding Virtual Labs and Virtual Private Networks(VPN)

Visvesvaraya Technological University, Belagavi

Nov 2023 – Dec 2023
Belagavi, Karnataka

- Explored Virtual Labs for hands-on learning, cloud-based simulations, and remote accessibility.
- Gained expertise in VPN technologies, focusing on data encryption, secure remote access, and cybersecurity best practices.
- Researched network security, privacy protection, and real-world applications of Virtual Labs and VPNs.

Understanding Virtual Labs and Microsoft Office

Visvesvaraya Technological University, Belagavi

Oct 2022 – Nov 2022
Belagavi, Karnataka

- Explored Virtual Labs for hands-on learning through interactive, cloud-based simulations.
- Gained proficiency in Microsoft Office tools for document creation, data analysis, presentations, collaboration, and database management.
- Worked with MS Word, Excel, PowerPoint, Outlook, Teams, Access, and OneDrive to enhance productivity and efficiency.

Documentation Assistant

Karnataka Skill Development Corporation(KSDC)

Skill Training

Sep 2021 – Dec 2021

Sindgi, Karnataka, India

- Assisted in document creation, formatting, and management using MS Word, Excel, PowerPoint, and Access.
- Conducted data entry, analysis, and reporting with Excel formulas, pivot tables, and charts.
- Created structured reports, presentations, and databases to streamline workflow and record-keeping.
- Collaborated using OneDrive, SharePoint, and Teams for real-time document sharing and workflow optimization.

PROJECTS

Aeroplane Database Management Systems: Designed a comprehensive airport database using SQL to streamline flight and passenger management.

Driver Drowsiness Detection System(DDDS):

Developed a real-time Driver Drowsiness Detection System (DDDS) using Artificial Intelligence (AI) and Machine Learning (ML) techniques. The system detects and alerts drivers experiencing fatigue, reducing the risk of road accidents.

Technologies Used: Python, OpenCV, CustomTkinter, PyTorch, YOLOv5, VLC, Machine Learning, Deep Learning, Computer Vision.

Project Outcome: Successfully developed and tested a robust AI-powered drowsiness detection system, demonstrating its effectiveness in real-time fatigue monitoring. The project showcases how AI can enhance road safety and has potential applications in autonomous driving and fleet management.

Generative AI Based Intelligent Assistant For Prenatal Care:

Tools: Google cloud, Google Agent Builder, Figma, Visual Studio, Google colab

Technology: Gemini stable model, Node.js, MongoDB, Express.JS.

Collaborated with a team to collect and integrate authorized data from government and NGO sources to develop an AI assistant providing prenatal care guidance (diet, exercise, yoga, and education) for rural and underprivileged women, improving maternal health outcomes by 14

LEADERSHIP AND EXTRA CURRICULAR ACTIVITIES

- Led multiple curriculum projects, demonstrating effective teamwork and leadership skills.
- Participated in community initiatives focused on social connectivity and development.
- Engaged in quizzes and technical competitions to enhance problem-solving capabilities.
- Led and managed the Registration Committee for YUKTI 2K25, ensuring seamless event registration and coordination.
- Supervised and guided a team of volunteers, delegating tasks effectively to streamline the registration process.