Saksham Agarwal

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Professional Summary

Aspiring Computer Science Engineer with strong foundation in machine learning, web development, and cybersecurity. Demonstrated expertise through diverse projects including AI applications, healthcare technology solutions, and security tools. Currently pursuing B.Tech in Computer Science Engineering with 8.25 CGPA and multiple industry certifications. Passionate about leveraging technology to solve real-world problems and drive innovation.

Education

VIT Bhopal University, *B.Tech in Computer Science Engineering* – Bhopal, India — 2023 – 2027
- CGPA: **8.25/10.0**

St. Anthony's Senior Secondary School, *Class XII CBSE (Science Stream)* – India — 2021 – 2022
- Percentage: **71.6%**

St. Anthony's Senior Secondary School, *Class X CBSE* – India — 2019 – 2020
- Percentage: **88.8%**

Professional Certifications

Google Bits and Bytes Certification – Google (Coursera) - In Progress — 2025
- Comprehensive IT support curriculum covering troubleshooting, customer service, networking, operating systems, system administration, and security fundamentals

Generative AI Professional Certificate – IBM Skills Network — 2025
- Advanced certification in generative AI technologies, prompt engineering, model implementation, and ethical AI practices

AI & Edge Computing for Industry Applications – Larsen & Toubro (L&T) — 2025
- Specialized training in artificial intelligence and edge computing solutions for industrial IoT, real-time processing, and enterprise applications

Google Cloud Skills Boost – Google Cloud Platform — 2025
- Hands-on cloud computing expertise in Google Cloud Platform services, infrastructure management, and cloud architecture design

Technical Skills

Programming Languages: Python, Java, C++, JavaScript, C

Web Development: React.js, Next.js, Flask, Node.js, HTML5, CSS3, Bootstrap, RESTful APIs, Responsive Design

Machine Learning & AI: scikit-learn, TensorFlow, Data Analysis, Classification Algorithms, Generative AI, Computer Vision, OCR (Tesseract)

Database & Cloud: SQL, Database Management Systems, Google Cloud Platform, Cloud Architecture, Data Visualization

Tools & Technologies: Git, GitHub, Version Control, YARA, Jupyter Notebook, Linux, IT Support, System Administration

Specializations: Cybersecurity, Healthcare AI, Edge Computing, Financial Technology, Threat Detection, Educational Technology

Featured Projects

Chronic Kidney Disease Classifier | Healthcare AI — GitHub

Machine learning application for early detection of kidney disease using clinical parameters and health metrics.

Technologies: Python, scikit-learn, Flask, Jupyter Notebook

Advanced Malware Detection System | Cybersecurity   GitHub

Comprehensive cybersecurity solution using machine learning for real-time malware detection and classification.
Technologies: Python, YARA, Machine Learning, Security Analytics

AI-Powered Story Generator | Generative AI   GitHub

Intelligent content generation platform using advanced AI models for creative writing and storytelling.
Technologies: Python, Flask, Generative AI, Natural Language Processing

Smart Finance Tracker with OCR | FinTech   GitHub

Intelligent expense management system with automated receipt processing and expense categorization.
Technologies: Python, Flask, Tesseract OCR, Computer Vision

Professional Portfolio Website | Web Development   GitHub

Responsive, modern portfolio website showcasing projects and professional experience with SEO optimization.
Technologies: React.js, Vite, JavaScript, HTML5, CSS3

Code Comment Remover | Developer Tools   GitHub

Automated tool for removing comments from source code files across multiple programming languages.
Technologies: Python, Regular Expressions, File Processing

Cybersecurity Education Platform | Educational Technology   GitHub

Interactive educational website for cybersecurity awareness and skill development with comprehensive content.
Technologies: HTML5, CSS3, JavaScript, Bootstrap

Additional Information

Languages: English (Professional), Hindi (Native)

Areas of Interest: Artificial Intelligence, Machine Learning, Cybersecurity, Healthcare Technology, Financial Technology, Cloud Computing, Educational Technology

Professional Goals: Seeking opportunities to apply technical skills in innovative projects, contribute to cutting-edge technology solutions, and grow as a software engineer in dynamic, challenging environments