K SAI CHARAN

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| PROFESSIONAL SUMMARY |
| I am an enthusiastic and detail-oriented B.Tech graduate in Electronics and Communication Engineering, passionate about technology, problem-solving, and software development. My experience aligns perfectly with the demands of an Azure Developer role, particularly my solid foundation in cloud computing and modern development practices. I have hands-on experience building scalable and innovative solutions, applying theoretical knowledge to real-world problems. For instance, "I have experience building automation tools, deploying applications on AWS EC2, and using Python, Selenium, and APIs to develop efficient solutions," demonstrating my capability in cloud-based application deployment and automation. Furthermore, my proficiency in development lifecycle tools is key; as stated in my resume, "Proficient in Git and Linux, and familiar with Docker and CI/CD basics." I am eager to leverage my skills in Python, Java, and cloud technologies to contribute to dynamic organizations, building robust and efficient solutions within an Azure environment. My analytical and problem-solving abilities, combined with strong teamwork skills, make me a valuable asset for complex development challenges. |

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| **EDUCATION** |  |  |
| **2020 - 2024** | B.Tech in **ECE** at **Sreenivasa Institute of Technology and Management Studies** | **CGPA**: 8.24/10 |
| **2018 - 2020** | Class 12th, State Board at **Sri Chaitanya Junior College** | **CGPA**: 9.01/10 |
| **2017 - 2018** | Class 10th, State Board at **Sri Chaitanya Techno School** | **CGPA**: 9.7/10 |

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| Technical Proficiencies |  |
| **Programming & Scripting** | Python, Java, JavaScript, SQL |
| **Technologies** | Azure, AWS EC2, Machine Learning, PyTorch, CI/CD | |
| **Tools** | Git, Docker, Selenium, Postman, VS Code | | |

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| PROJECTS |
| |  |  | | --- | --- | | **AI-Based License Plate Recognition System** | | | * Designed and deployed a **real-time vehicle license plate recognition system** using **YOLOv8**, **OpenCV**, and **PyTorch** for automated vehicle identification. * Achieved **95%** accuracy with an optimized processing speed of **0.2 seconds per frame**, ideal for traffic surveillance and security enforcement. * Integrated a Tkinter-based GUI interface for efficient user interaction, enabling seamless access to scanned results and stored vehicle metadata. * Utilized **Deep Learning**, **Computer Vision**, and Model Optimization & Quantization Techniques to enhance system performance. | | AI Based Smart Resume Tailoring Assistant via Telegram | | | * Built an AI-powered Telegram bot using **Python** and **Google Gemini** to automatically tailor .docx resumes based on job descriptions. * Enables users to send job descriptions via Telegram and automatically receive customized resumes aligned with the job role, skills, and keywords. * Integrated Google Gemini for intelligent content rewriting, role-specific bullet generation, and   grammar enhancement to optimize resumes for Applicant Tracking Systems (ATS).   * Hosted on **AWS EC2** for continuous availability and efficient processing; used Telegram Bot API   for real-time interaction and document delivery. | | Automated Attendance Tracking Telegram Bot | | | * Developed a Telegram Bot using **Selenium WebDriver** and **Python** to automate attendance tracking from college websites, hosted on **AWS EC2**. used **Git and GitHub** for version control and collaborative code management. * Automated login sessions and data extraction by implementing **web scraping** and **session handling** techniques. * Delivered Real-time attendance notifications to students via Telegram using **messaging APIs**. * Improved efficiency by eliminating manual processes, ensuring secure, accurate, and automated | | Discord Bot for Clash of Clans Clan Stats | |  |  | | --- | | * Built and deployed a **Discord Bot** using **Discord API**, **Python**, and **MongoDB** to provide **real-time clan statistics** and updates. * Integrated RESTful APIs to fetch live game data, deployed on **AWS EC2** with **GitHub** for code versioning and project tracking. * Applied **Cloud Computing**, **API Integration**, **Bot Development Best Practices**, and **Version Control (Git)** to ensure **scalable** and **robust performance.** | |

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| Certifications & Achievements |
| * **Full-Stack Development Certification (in progress)**: Currently learning Python Full-Stack, covering Frontend & Backend Technologies * **Research Publication:** Published a paper on Automatic License Plate Detection in an International Research Journal of Modernization in Engineering Technology and Science. * **IoT & Arduino Internship**: Completed internships at Innovate Intern & InternShala, gaining expertise in IoT-based automation. * **Event Management**: Organized tech events like Cursor 2024 and managed farewell parties as a class representative. |
| **SKILLS** |
| * Communication Skills * Analytical Thinking * Flexibility and Adaptability * Teamwork and Collaboration * Leadership and Event Management |

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| **HOBBIES AND INTERESTS** |
| * Playing Chess, Cricket and Badminton * Exploring new technologies, AI tools like ChatGPT, LLMs through Hugging Face, and solving logical challenges. * Reading tech blogs, research papers, and exploring case studies in modern innovations. * Experimenting with Open-Source Projects and GitHub collaborations. * Listening to tech podcasts and watching documentaries on futuristic technologies. |

I hereby declare that the information furnished above is true and correct to the best of my knowledge and belief.

**Signature**  
K SAI CHARAN