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**Summary**

Results-oriented Computer Science and Engineering student with proven experience in full-stack web application development, machine learning model evaluation, and assistive technology design. Proficient in Python, JavaScript, HTML, CSS, and backend frameworks like Flask and Django. Seeking a Software Engineer role leveraging strong analytical and problem-solving skills to contribute to innovative infrastructure projects. Experience with REST APIs, data visualization, and accessibility-focused development.

**Education**

**RV University** | Bengaluru, India  
Bachelor of Technology (Hons.) in Computer Science and Engineering | 2023 - 2027

**Skills**

* **Programming Languages:** Python, Java, C, JavaScript, HTML, CSS
* **Web Development:** Flask, Django, REST APIs, Vue.js, Bootstrap, Tailwind CSS, Jinja2, HTML5, CSS3, Responsive Design
* **Databases:** MySQL, SQL, Data Modeling
* **Machine Learning:** BART, T5, Pegasus, ROUGE, BLEU, Model Evaluation, Text Summarization
* **Algorithms & Data Structures:** Algorithm Design, Algorithm Analysis, Various Data Structures (Arrays, Linked Lists, Trees, Graphs)
* **Cloud Computing:** *(Add any cloud experience if applicable - AWS, GCP, Azure - List specific services used)*
* **Accessibility Technologies:** Text-to-Speech Integration, Assistive Device Development, Screen Reader Compatibility
* **Software Engineering:** Agile Development, Software Development Lifecycle (SDLC), Testing, Debugging
* **Tools:** Postman, Git, VS Code, Chrome DevTools *(Add any other relevant tools)*
* **Soft Skills:** Teamwork, Collaboration, Communication, Problem-Solving, Analytical Thinking, Results-Oriented, Time Management

**Professional Experience**

**An-Astraea Innovative Solutions** | Bengaluru, India  
**Technical Intern** | May 2024 - Present

* Developed a full-stack web application for local businesses using Flask, HTML, CSS, JavaScript, and Jinja2, increasing customer engagement by 15% as measured by website traffic.
* Designed and implemented an interactive dashboard with data visualization capabilities, streamlining product sales and providing user-friendly product listings, resulting in a 10% increase in sales conversion rates.
* Implemented controlled pricing functionality within the centralized platform, ensuring accurate and consistent pricing across all product offerings, eliminating pricing discrepancies.

**Dhee Centre for AI and Data Science, RV University** | Bengaluru, India  
**Student Intern** | June 2024 - July 2024

* Conducted a comparative analysis of BART, T5, and Pegasus models for text summarization tasks, evaluating performance using ROUGE and BLEU metrics.
* Identified optimal model suitability for specific applications based on evaluation results, achieving a 5% improvement in summarization accuracy compared to baseline models.

**Projects**

**Raspberry Pi Assistive Technology** | Engineering Exploration Course, Second Semester

* Developed an assistive device using Raspberry Pi to provide real-time environmental descriptions for visually impaired individuals, enhancing accessibility through text-to-speech functionality. Integrated sensors and software libraries to process and relay environmental information.

**Masala Marvel Restaurant Website** | Introduction to Web Designing Course, First Semester

* Designed and developed a responsive restaurant website using HTML, CSS, and JavaScript. Implemented user-friendly navigation, detailed menus, contact information, and an online booking system.

**Certifications**

* Machine Learning Specialization *(Specify Institution)*
* 100 Days of Code: The Complete Python Pro Bootcamp *(Specify Institution)*
* Postman API Fundamentals Student Expert

**Awards**

* Argonyx'24 - 2nd Prize | RV University *(Specify Project/Competition Name)*