CHAITANYA SIDDHAPURA

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SUMMARY

I am a Software Engineer enthusiast currently pursuing a bachelor's degree in Information Communication Technology from Government Engineering College, Bhavnagar. Throughout my journey, I have built a strong foundation in Python programming, web development, app development, and AI technologies. I have developed innovative projects like Pixel Fix for photo enhancement, a file-sharing web application, and an AI-powered image descriptor for the visually impaired. I demonstrate strong teamwork, leadership, and technical writing skills, with hands-on experience in Software Development , Ai and ML, ethical hacking and data analytics.

PROFESSIONAL EXPERIENCE

Ai & Machine Learning Intern - Kodacy, India

- *Explored the basics of Artificial Intelligence (AI) like narrow AI and general AI, and learned about machine learning and natural language processing.*
- *Discussed the philosophical and ethical aspects of AI, understanding its impact on society.*
- *Used AI algorithms in gaming scenarios, learning how to make decisions using probability theory.*
- *Gained proficiency in Python programming, an important skill for AI.*
- *Learned about machine learning techniques such as regression analysis and neural networks, and used advanced algorithms like XGBoost for solving complex data problems.*
- *Created a chatbot project, getting hands-on experience with models like ChatGPT.*

Software Development Intern - Ayelite Technologies, Gujarat, India

- *During my internship at Ayelite Technologies, I learned the basics of the Ionic framework and how to use TypeScript. I worked on a project where I created an app that integrates Google Maps. This helped me improve my skills in app development.*

RESEARCH PROJECTS & PUBLICATIONS

File-Sharing

- *Developed a secure and efficient file-sharing system that allows users to upload files and share them using a unique 6-digit OTP or QR code. Files are stored temporarily and automatically deleted after a set time to ensure privacy. The system features a professional UI with Tailwind CSS, secure file handling with PHP, and a MySQL database for managing file metadata. Implemented QR code generation for easy access and basic security measures to prevent unauthorized uploads.*

Pixel Fix

- *Pixel Fix is a web application built with Flask that provides an AI-driven solution to enhance the quality of grainy and blurry photos. This project aims to simplify the process of improving image quality by machine learning algorithms. Key features include user login and the ability to process multiple photos at once.*

Image Descriptor For Blind Person

- *The goal of this project is to create an AI-powered system that helps visually impaired people by describing images in detail. The system will use computer vision to recognize objects, scenes, and activities in pictures, then turn this information into clear and meaningful descriptions.*

EDUCATION

Government Engineering College (GEC) Bhavnagar, Gujarat, India — *June 2023 - Present*
Bachelor of Engineering - Information and Communications Technology — **CGPA: 7.83**

Gujarat Technological University, Gujarat, India — *June 2020 - June 2023*
Diploma - Computer Engineering — **CGPA: 8.50**

SKILLS

Languages:	Python, JavaScript, Java, PHP, C Language, HTML, CSS
Frameworks:	Django, Bootstrap, Ionic, MERN Stack
Databases & Cloud Technologies:	MySQL, SQL, Oracle, MongoDB
Tools & Platforms:	Git, Tableau, Artificial Intelligence, Machine Learning, FinTech API.
Soft Skills:	Leadership, Teamwork, Technical Writing, Public Speaking, Time Management, Communication, Critical Thinking

ACHIEVEMENTS

- I was a finalist at the Odoo X MSU FootPrints'25 Hackathon, where my team built a Fintech platform connecting small businesses with marketing agencies. I contributed by developing an AI-powered poster-making tool, Integrating a payment gateway, designing the frontend UI, and assisting with backend development.

- My team chose the project "Pixel Fix" for the YourStory OLA Krutrim presents GENERATIVE AI BUILDATHON in association with 100x. We used Python and Machine Learning skills to create a web app using Flask. Pixel Fix improves grainy and blurry photos using AI, making it easier to enhance images with machine learning algorithms.

- Completed a data analytics workshop with Jobaaj, analyzing Amazon and Netflix data using Python and Tableau. Mastered data manipulation with Pandas and NumPy, and created visualizations with Matplotlib and Seaborn. Developed a strong understanding of data analyst roles and applied analytics to real-world business challenges.

- I finished a hands-on Ethical Hacking workshop with ICSS. I learned how to carry out phishing attacks, DOS attacks, and SQL injection. I also got practical experience using the FlipperZero device for testing hardware and software. Plus, I learned important ways to protect against digital threats.

- I participated in GUVI's Skill-A-Thon, contributing to the APSSDC landing page design challenge. Though my design didn't advance, I'm proud of my input. This experience fuels my passion for design, eager for future growth with GUVI.