Jaydeep Sanjay Solanki

B.Tech.
Electronics and Communication Engineering
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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech.	Institute of Tecgnology, Nirma University, Ahmedabad	7.85 (Current)	2022-2026
AISSCE	CBSE	87.8%	2022
AISSE	CBSE	88.8%	2020

EXPERIENCE

- **Team Dyaus, SAE, ITNU** *Nov. 2022 - Present*
  Vice Captain & Head of Software Department Ahmedabad, India
  - Coordinated team efforts with competition objectives, ensuring on-time deliverables.
  - Implemented and led training programs, improving team proficiency and integrating new members.
  - Designed and developed algorithms and software for competition tasks, including GUI design using PyQt, resulting in enhanced functionality and user experience.

PROJECTS

Finance Manager | Flask Based *Jun. 2024*
Ahmedabad Website | Github

- Engineered a financial application with secure authentication, enhancing user data protection.
- Developed features for income and expense tracking using MongoDB, improving financial management efficiency.
- Created a comprehensive reporting system, enabling users to generate detailed financial summaries.
- Designed a customizable dashboard, enhancing user interaction and preferences.

Team Dyaus GUI Cansat India *Oct. 2023 - Apr. 2024*
Ahmedabad Github

- Developed a PyQt5 interface for real-time telemetry data monitoring, improving data accessibility.
- Integrated VTK for 3D satellite orientation visualization, enhancing data representation.
- Automated data logging in CSV format, streamlining data collection and analysis.

Socio Caption *May. 2023*
Ahmedabad Github

- Created an API for generating social media captions using GPT-4, facilitating automated content creation.
- Integrated DeepAI API for text generation, expanding the functionality of the application.
- Developed a frontend for image captioning, improving user interaction and experience.
- Implemented MongoDB for efficient data storage and retrieval.

SKILLS

- **Programming Languages**: Python, JavaScript*, Verilog**
- **Web Development**: HTML, Flask, ReactJS**, FastAPI, Express*
- **Software & Platforms**: Linux, MATLAB**, QT Creator, QT Designer, OpenCV, MySQL
- **IDEs & Tools**: PyCharm, VSCode, Atom, Arduino IDE, Excel
- **Hardware & Embedded Systems**: Raspberry Pi, Arduino Boards
- **Frameworks & Libraries**: PyQT/PySide6, Websockets
- **Miscellaneous**: Web Scraping, Model Training**, File Handling

* indicates elementary proficiency

CERTIFICATIONS

Generative AI & Its Use Cases (IIT Patna) *Jun. 2024*
Unstop Certificate

Mindbend *Mar. 2024*
Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat Certificate

Flipkart Grid 5.0 Finalists Certificate (Robotics Challenge) *Jan. 2024*
Unstop & Flipkart Certificate

MNIT Hackathon *Sep. 2023*
Malaviya National Institute of Technology, Jaipur Certificate

Smart India Hackathon *Aug. 2023*
Institute of Tecgnology, Nirma University, Ahmedabad Certificate

Google Cloud Computing Certificate *Dec. 2022*
Institute of Technology, Bombay Certificate

POSITIONS OF RESPONSIBILITY

Vice Captain, Team Dyaus, Ahmedabad *Apr. 2024 - Present*

– Directed project and team activities, ensuring effective management and execution.

Head of Software Department, Team Dyaus, Ahmedabad *Feb. 2024 - Present*

– Led software development initiatives, utilizing PySide6 and Websockets, resulting in robust software solutions.

Senior Software Developer, Team Dyaus, Ahmedabad *Nov. 2023 - Jan. 2024*

– Specialized in Arduino programming and project management, driving project success.

Software Developer, Team Dyaus, Ahmedabad *Feb. 2023 - Oct. 2023*

– Focused on debugging and utilizing OpenCV, enhancing software reliability and performance.

Trainee, Team Dyaus, Ahmedabad *Nov. 2022 - Jan. 2023*

– Gained experience in Python programming and PyQt, laying a foundation for future development work.

ACHIEVEMENTS

Teknofest Model Satellite Competition *2024*
Advanced to the CDR round in an international aerospace competition. Link

Flipkart Grid 5.0, Robotics Challenge *2023*
National finalist in a prestigious robotics competition. Link

CanSat India *2022*
Secured second position in a national satellite design competition. Link