JAYDEEP SOLANKI

B. Tech. - Electronics and Communication Engineering @ Nirma University, Ahmedabad

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Summary

Electronics and Communication Engineering student with proven expertise in software development and data science. Proficient in Python, web development, and data analysis. Demonstrated leadership abilities and consistent project delivery. Seeking an internship or entry-level position to leverage technical capabilities and collaborative skills.

Education

Institute of Technology, Nirma University August 2022 − May 2026

B.Tech. in Electronics and Communication Engineering Current CGPA: **7.8 (5th Sem)**
(Minor in Data Science)

Coursework: Machine Learning, Embedded Systems, Analytics of IoT, Image Processing, Digital Signal Processing, Data Analysis & Visualization, C Programming, Digital Communication

Technical skills

- **Programming Languages:** Python, SQL, HTML/CSS, JavaScript
- **Frameworks & Libraries:** Flask, FastAPI, Bootstrap, Chart.js, Scrapy, Selenium
- **Tools & Technologies:** REST APIs, WebSockets, MongoDB, Docker, Git, Linux, Windows

Accomplishments

- **Teknofest 2024 (Turkey)**: Model Satellite Competition - Ranked 9th among 100+ international teams | Certificate, Repository
- **Flipkart Grid 5.0 Robotics**: National Finalist National Finalist (Top 10 among 80+ teams) | Certificate, Repository
- **CanSat India Model Satellite Competition 2022:** Runner-Up (2nd place among 50+ teams) | Repository
- **Google Cloud Computing Foundations:** Completion Certificate from IIT Bombay | Credential

Key Projects

Finance Tracker **April 2025**

Python, Flask, MongoDB, HTML/CSS, JavaScript, Bootstrap 5, Chart.js Live Demo | GitHub

- Built a finance tracking application handling hundreds of transactions across multiple categories.
- Implemented security features including password hashing, rate limiting, CSRF protection, and secure cookies.
- Developed an administrative dashboard for log monitoring and user privilege management
- Integrated automated email notifications for weekly summaries, monthly reports, budget alerts, and security notices
- Designed a responsive user interface featuring light/dark themes and interactive data visualization charts
- Containerized the application using Docker, reducing deployment time by 70% and enabling single-command scaling

[Large-Scale Movie Data Scraper](#)

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November 2024

[GitHub](#)

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Python, Scrapy, Selenium, TMDb API

- Developed a web scraper extracting over 1,000 IMDb records using Scrapy and Selenium for dynamic page content
- Integrated TMDb API to enhance database with trailers, crew information, budget details, genres, and ratings
- Optimized performance through multi-threading and concurrent requests, increasing scraping efficiency by 50%
- Included error handling, retries, and session management to maintain 10+ requests per minute.
- Created configurable scraping parameters for date ranges and validation, ensuring 95%+ data accuracy

Leadership & Extracurricular Activities

Mentor, Team Dyaus   **October 2024 – Present**

SAE, Nirma University, Ahmedabad, India

- Mentoring 15+ team members in troubleshooting hardware and software issues for competitions
- Develop strategic approaches for competitions, enhancing project execution and system performance
- Evaluate team performance and participate in recruitment of new members
- Maintain and update team website: teamdyaus.space

Vice-Captain, Team Dyaus   **April 2024 – September 2024**

SAE, Nirma University, Ahmedabad, India

- Coordinated timelines and task allocation for Teknofest 2024 Model Satellite Competition
- Achieved 9th place among 100+ teams at International Competition
- Managed financial planning, including expenditure tracking and internal budget allocation

Personal

Native: Kachchh - Gujarat – India

Current Location: Ahmedabad - Gujarat

Languages: English, Hindi, Gujarati

Interests: Film appreciation, Travel and exploration, Computer science education

Place: Ahmedabad   *(Jaydeep Solanki)*