

# Jay Patel

## Personal Details

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## Projects

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### Road extraction from satellite images using MATLAB

This was my image processing project. It detects roads from satellite images and extracts them.

### Design 8086 Assembler using Python

Designed an Assembler for 15 instructions. After execution of the instructions, it gives output and updates the flag register.

### Generative adversarial network for road damage detection

It is based on Generative Adversarial Network. GAN has two main parts: generator, which generates fake images, and discriminator, which distinguishes between real and fake images. The discriminator is further used for road damage detection.

## Hobbies

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- Reading
- Chess
- HTML coding