



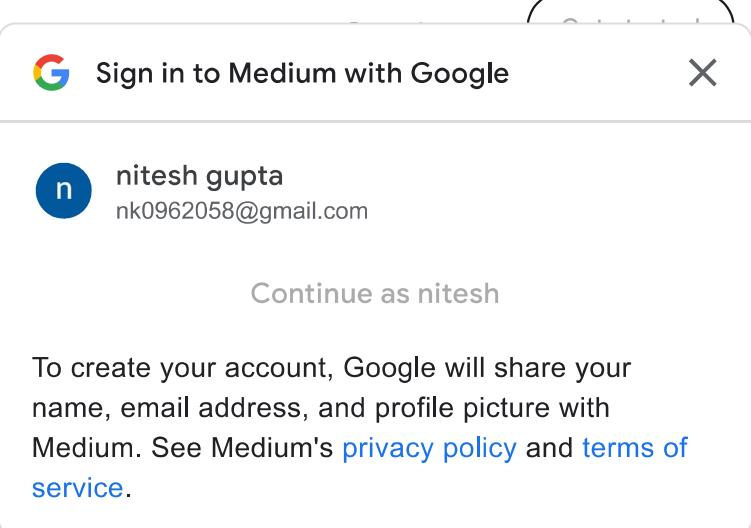
Shivam

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# Make your terminal beautiful and fast with ZSH shell and PowerLevel10K

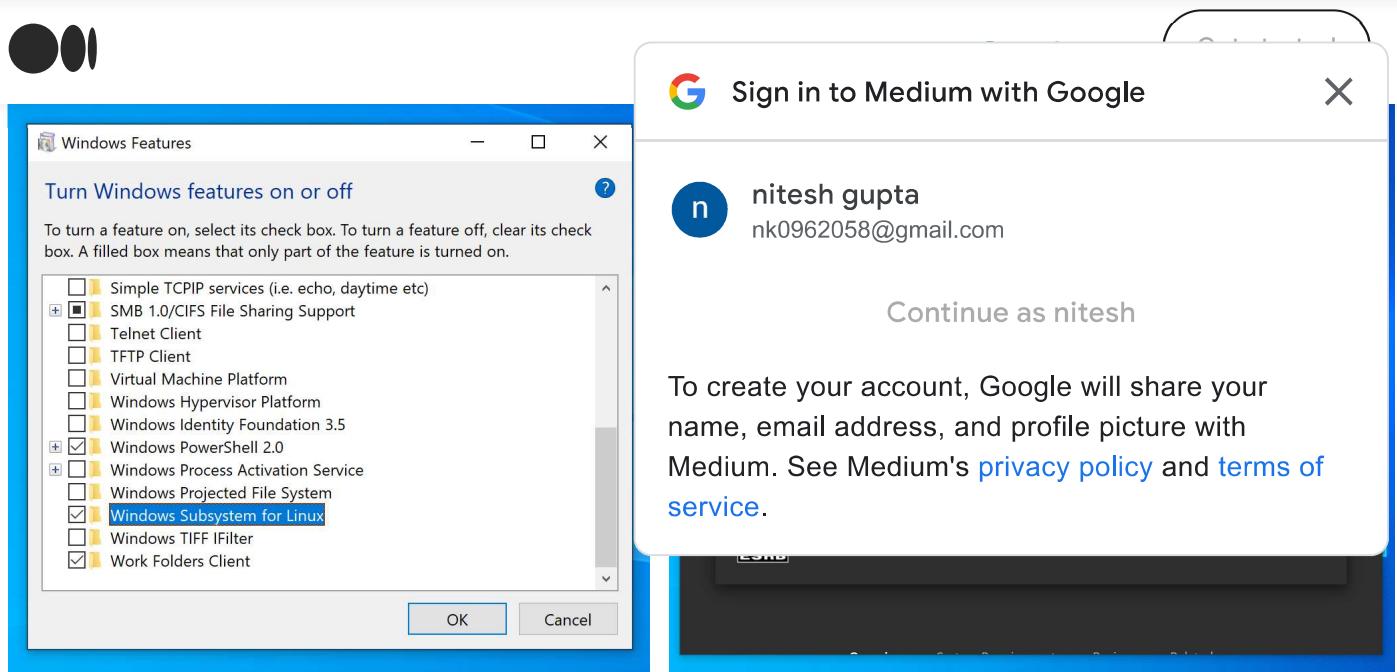
**Does your terminal looks boring, ugly and slow ?**

**In this tutorial I will show you how you can install the ZSH shell on any operating system and customize it with ohmyzsh framework and PowerLevel10K theme.**



## Step 1. Installing ZSH shell on your operating system





1. Make sure your windows is updated.
2. Then search for “Turn Windows features on or off” in the start menu.
3. Now you mark the “Windows Subsystem for Linux” and hit ok.
4. It will ask you to restart your system, so just do it.
5. Now you will have to install [ubuntu](#) from the windows store.
6. Just launch the ubuntu app and you are ready to go.
7. You have installed the linux now follow linux guide to continue

## Installing ZSH shell for linux distros

1. Install zsh with your package manager

```
sudo apt install zsh
```



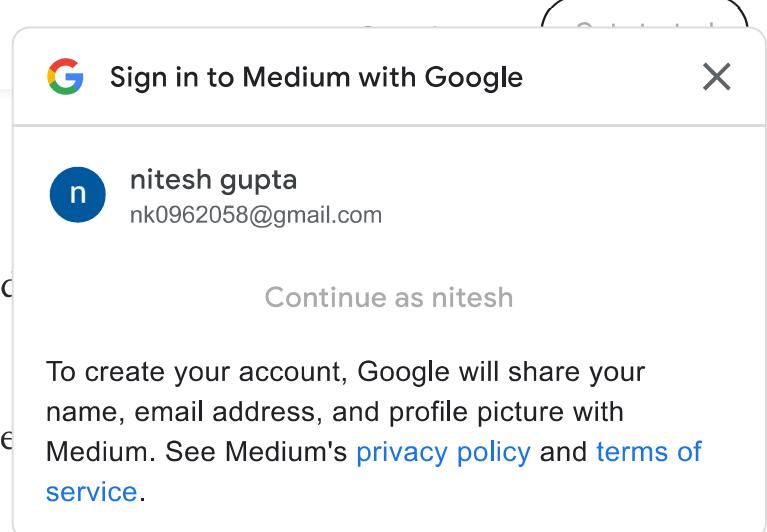


```
chsh -s $(which zsh)
```

3. Restart your terminal and you are ready and login again)

4. If it's asking for selecting an option press

Type `echo $SHELL` to verify the shell it should print `/usr/bin/zsh`



Further setup will be same for all Operating System.

## For Mac OS X





## 1. Install ZSH through homebrew.

```
brew install zsh
```

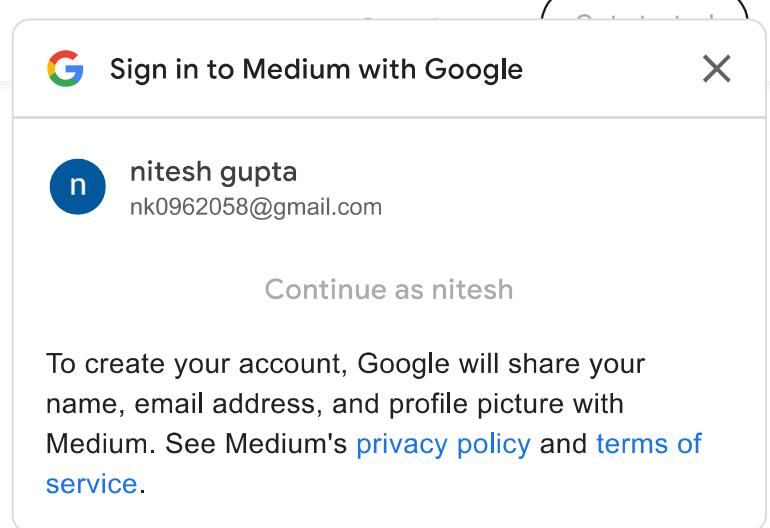
## 2. Make it your default shell

```
chsh -s /bin/zsh
```

## 3. Restart your terminal and you are ready to go

## 4. If it's asking for selecting an option press 0

Type `echo $SHELL` to verify the shell it should print `/usr/bin/zsh`



## Installing Oh My Zsh



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....is now installed!

Please look over the `~/.zshrc` file to select plugins, themes, and options.

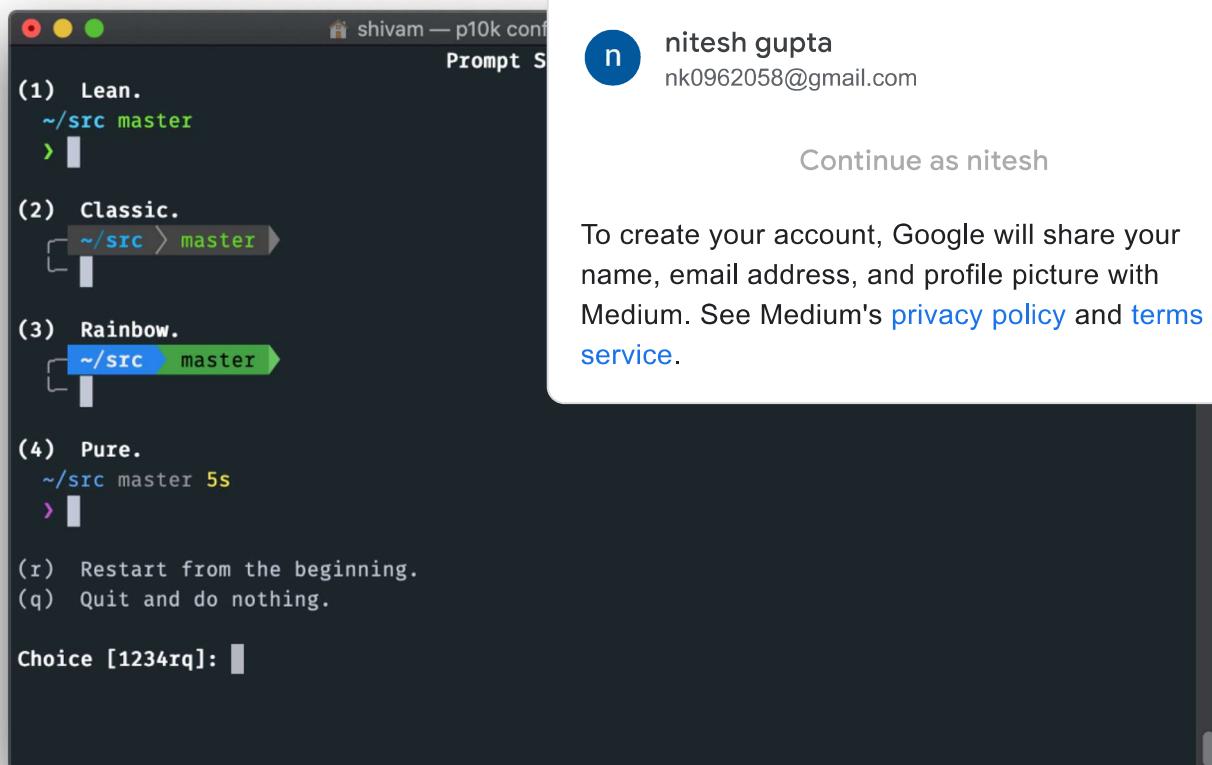
p.s. Follow us on <https://twitter.com/ohmyzsh>

Just paste this command in your terminal and it will install Oh My Zsh.

```
sh -c "$(curl -fsSL https://raw.githubusercontent.com/robbyrussell/oh-my-zsh/master/tools/install.sh)"
```

## **Install PowerLevel10K theme**





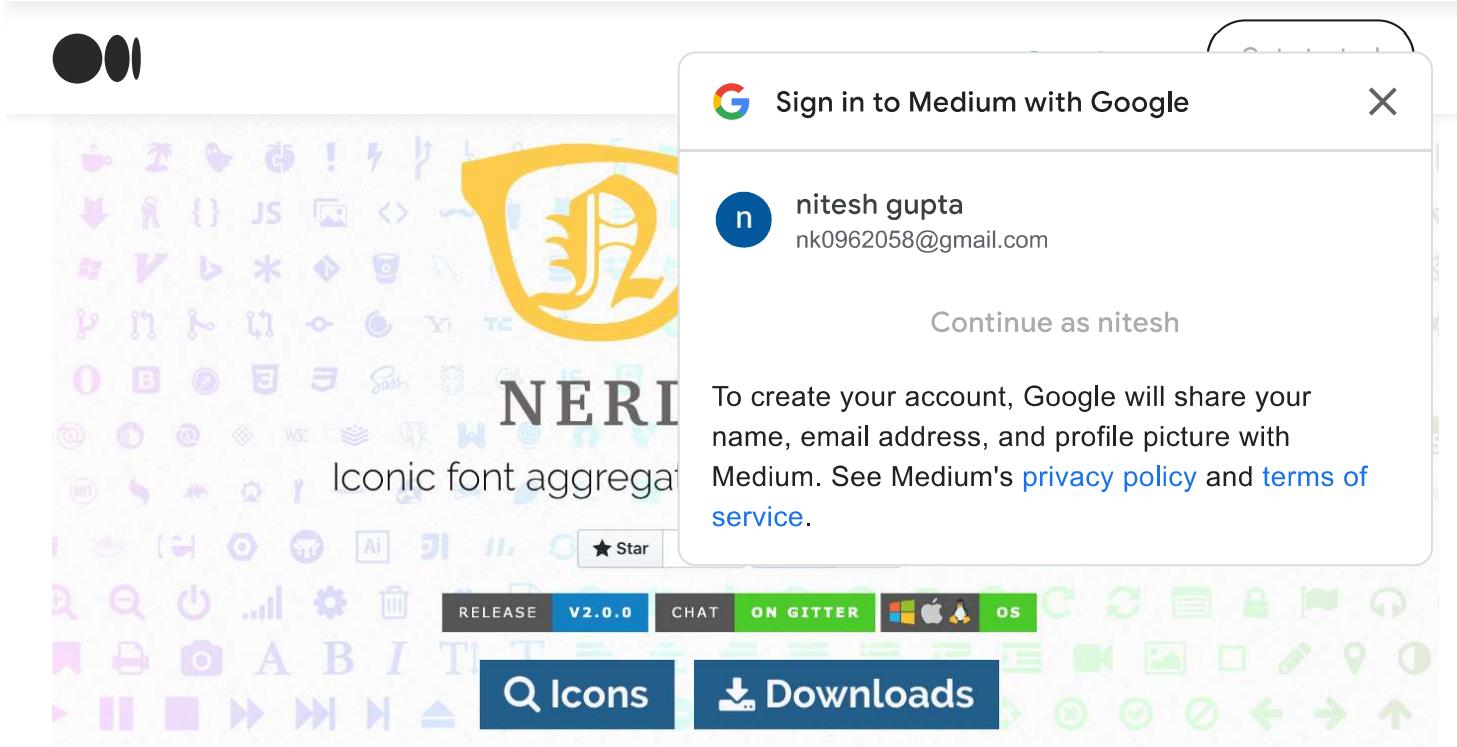
## PowerLevel10K Setup

We will clone the repository into the custom theme folder

```
git clone https://github.com/romkatv/powerlevel10k.git  
$ZSH_CUSTOM/themes/powerlevel10k
```

## [Download and install Nerd Patched fonts](#)





Download and install [FuraMono Nerd Font](#). It's best and works everywhere. For linux (Ubuntu) you will need the [FiraMono](#) otherwise your terminal may not show up the font.

You can get all the [FuraMono fonts](#)

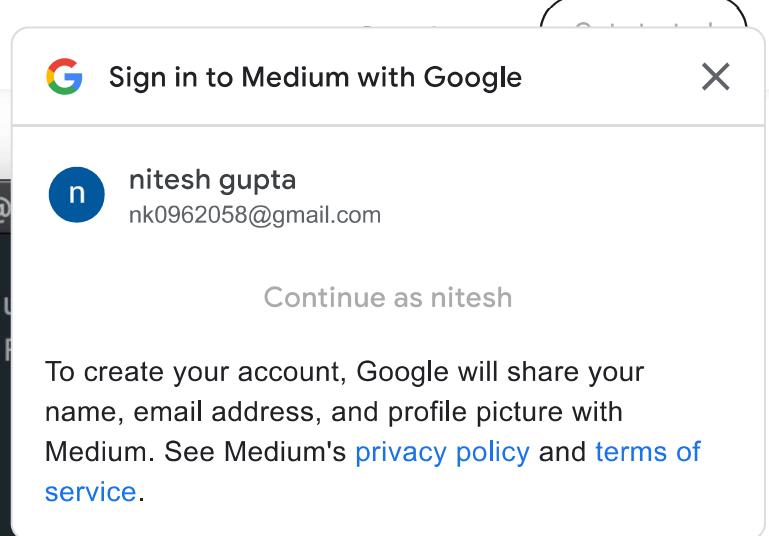
You can also download other fonts which you like but make sure its patched with icons (Look for complete folder). If you can't find it you can patch it yourself. **But remember different fonts may not completely align and fit perfect everywhere.**

**Download Plugins for autosuggestion and syntax highlighting**





```
shivam — shivam@MacBook-Pro: ~
❯ git clone https://github.com/nk0962058/patched-fonts/PowerLevel10K
```



## Syntax highlighting in ZSH

```
git clone https://github.com/zsh-users/zsh-autosuggestions.git
$ZSH_CUSTOM/plugins/zsh-autosuggestions
```

```
git clone https://github.com/zsh-users/zsh-syntax-highlighting.git
$ZSH_CUSTOM/plugins/zsh-syntax-highlighting
```

Now edit your `~/.zshrc` file to use the **PowerLeve10K theme**, **Awesome Patched font**, **Autocorrection**, **Autosuggestion** and **Syntax highlighting**.

You can use any editor you **nano** or **vim**. We will use **micro** here, It is a great editor which allows you to easily edit the files. You can easily install it by running this command

```
sudo curl https://getmic.ro | bash
```

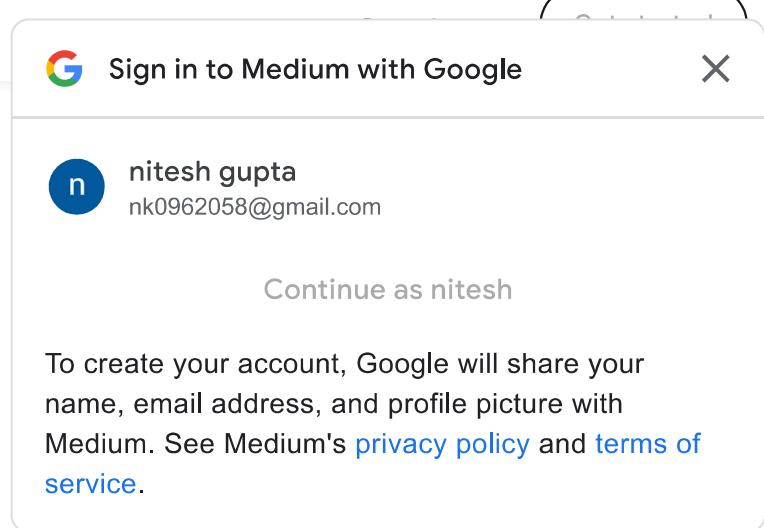




```
snap install micro --classic
```

Now you can use it like

```
micro ~/.zshrc
```



Find the `ZSH_THEME` and replace it with

```
ZSH_THEME="powerlevel10k/powerlevel10k"
```

Also add this line below to use Nerd Patched fonts

```
POWERLEVEL9K_MODE="nerdfont-complete"
```

If you want to enable auto correction then find uncomment the line by removing `#` from

```
#ENABLE_CORRECTION="true"  
//to this  
ENABLE_CORRECTION="true"
```

Now we will add plugins so scroll down a little till you find

```
plugins=(git)
```

And now add the plugins which we downloaded, like this



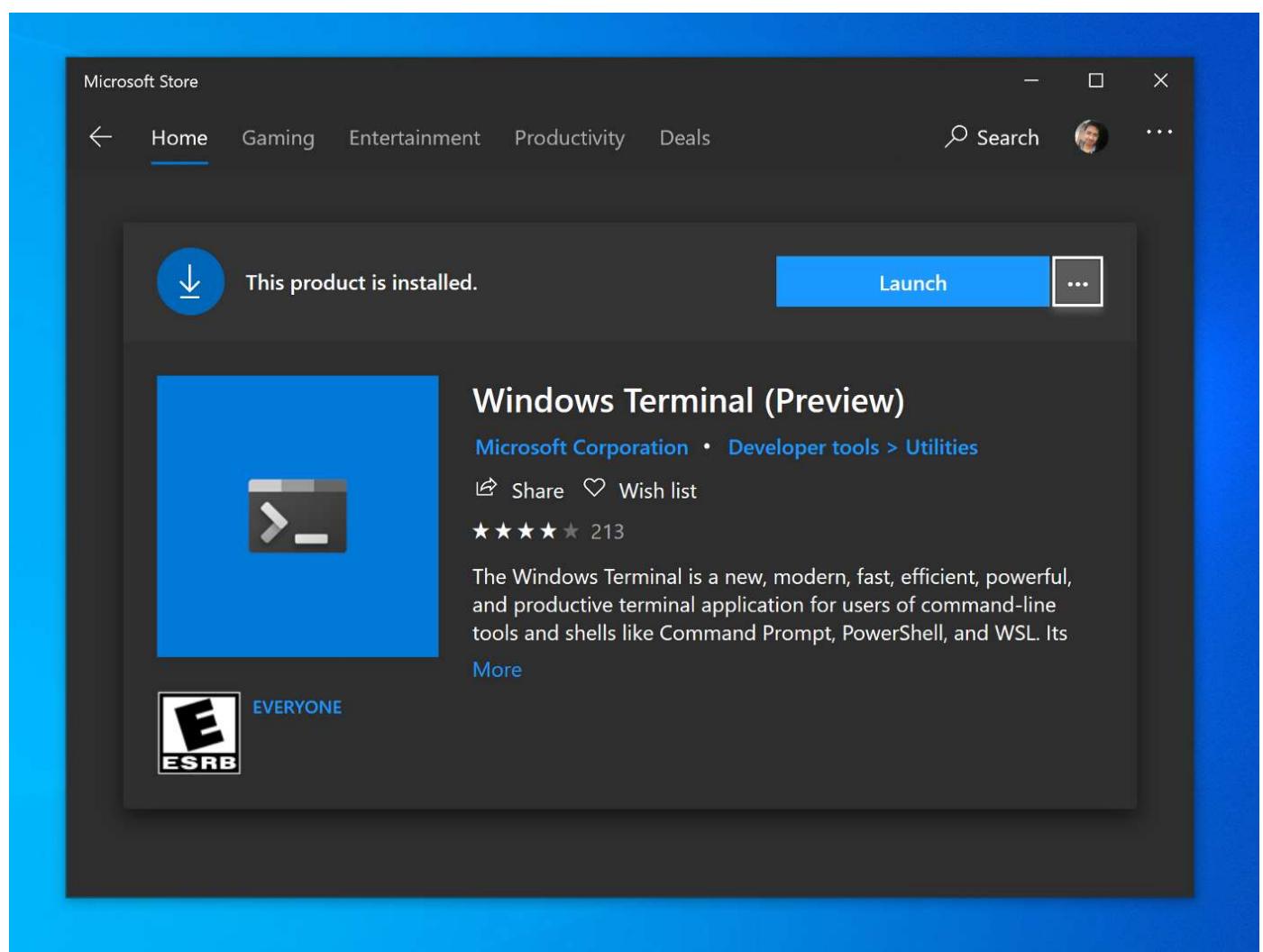
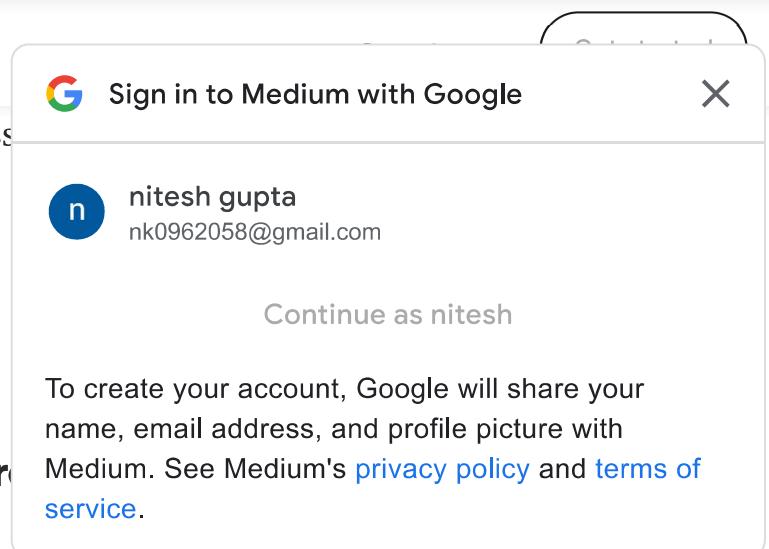


Now we are done so save the file by press

We are almost done but not yet 😊

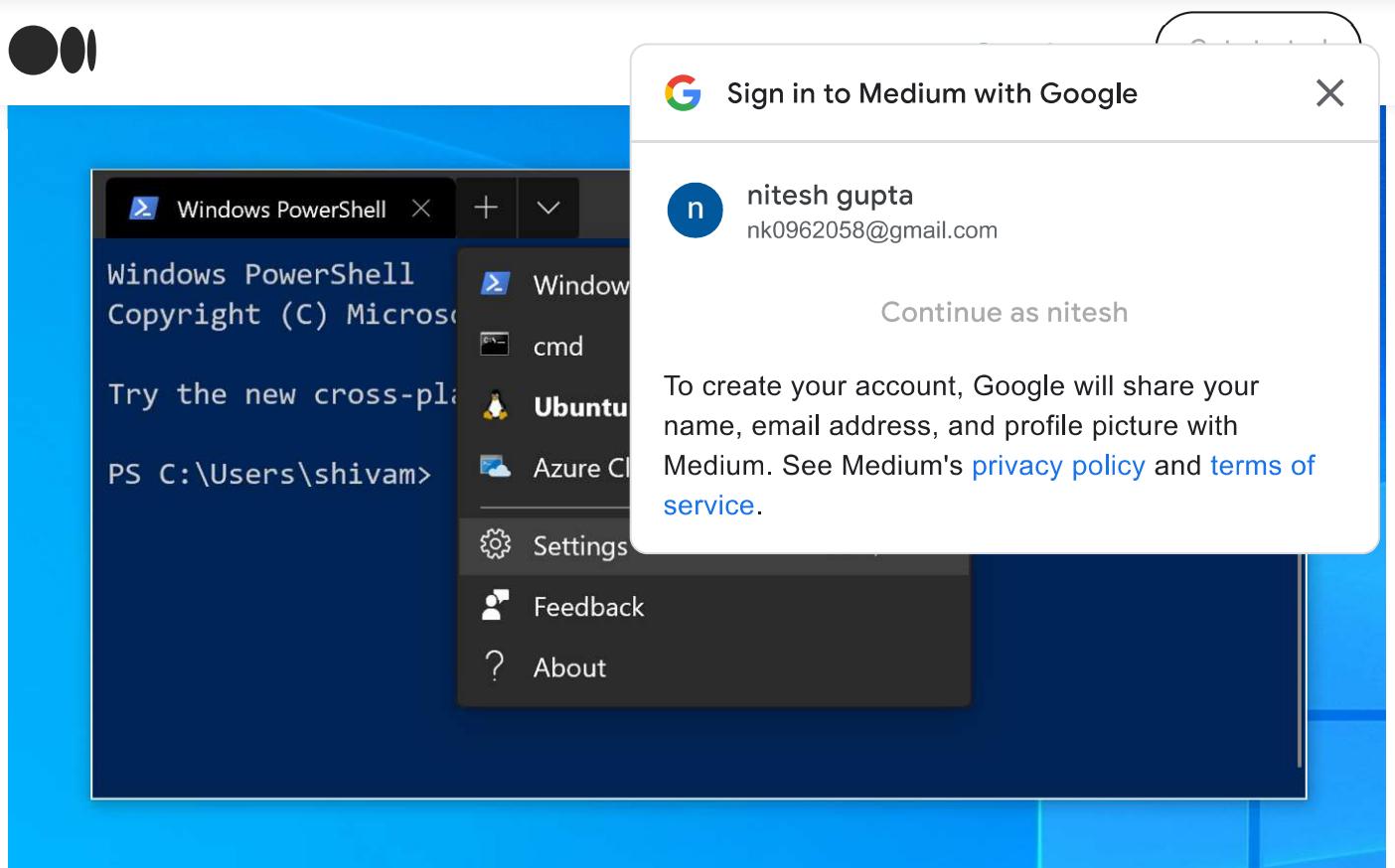
## Change your terminal font from pre

For Windows 10 you will have to install the [Windows Terminal \(Preview\)](#)



Once you installed it, just open it and you will see **PowerShell** shell. You need to go to **settings** by clicking on the dropdown. It will open a **JSON** settings file in notepad.

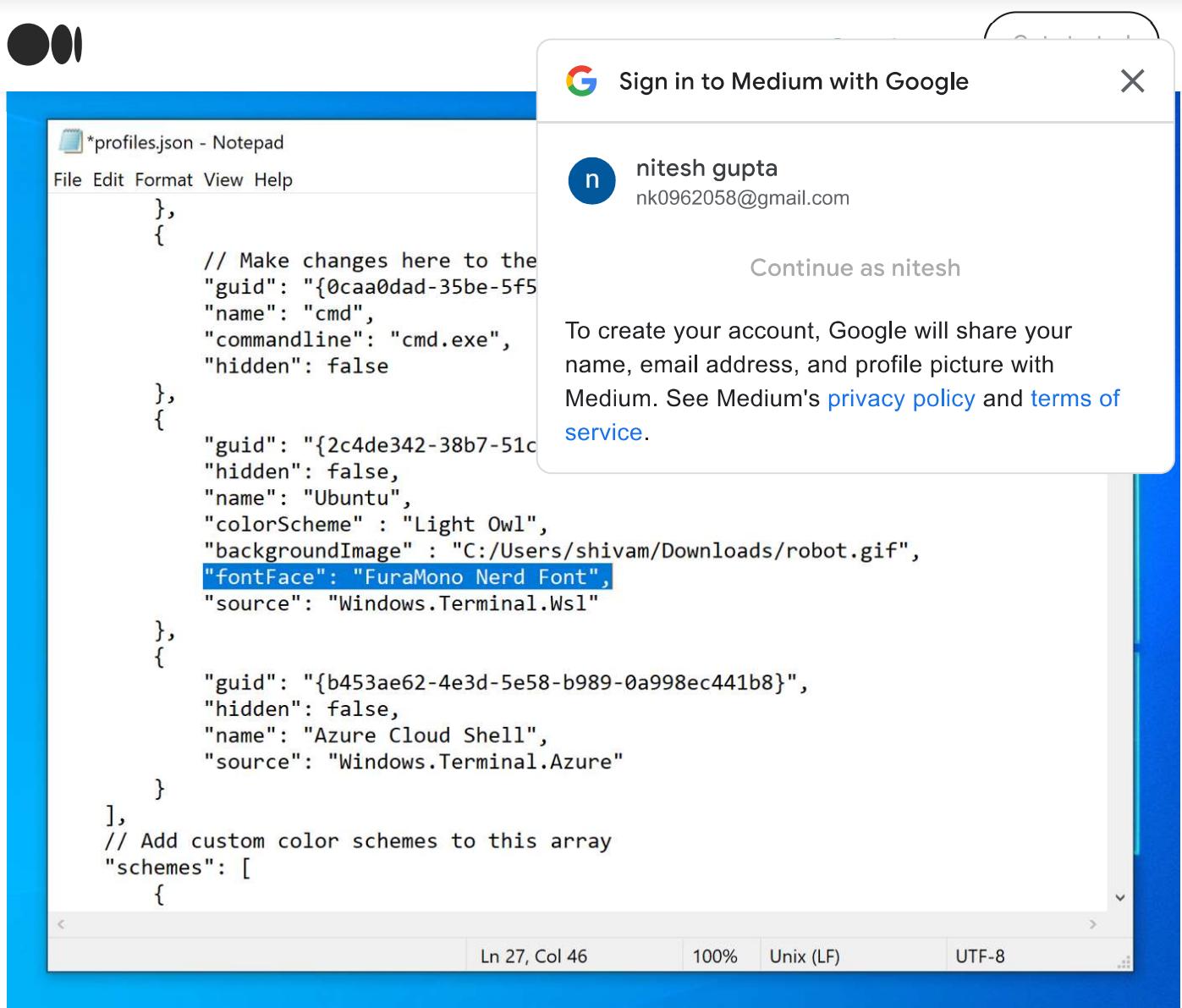




Now scroll down and try to find the name Ubuntu and add the font like this

```
"fontFace": "FuraMono Nerd Font",
```





\*profiles.json - Notepad

```
File Edit Format View Help
},
{
    // Make changes here to the
    "guid": "{0caa0dad-35be-5f5
    "name": "cmd",
    "commandline": "cmd.exe",
    "hidden": false
},
{
    "guid": "{2c4de342-38b7-51c
    "hidden": false,
    "name": "Ubuntu",
    "colorScheme" : "Light Owl",
    "backgroundImage" : "C:/Users/shivam/Downloads/robot.gif",
    "fontFace": "FuraMono Nerd Font",
    "source": "Windows.Terminal.Wsl"
},
{
    "guid": "{b453ae62-4e3d-5e58-b989-0a998ec441b8}",
    "hidden": false,
    "name": "Azure Cloud Shell",
    "source": "Windows.Terminal.Azure"
}
],
// Add custom color schemes to this array
"schemes": [
}

Ln 27, Col 46 100% Unix (LF) UTF-8
```

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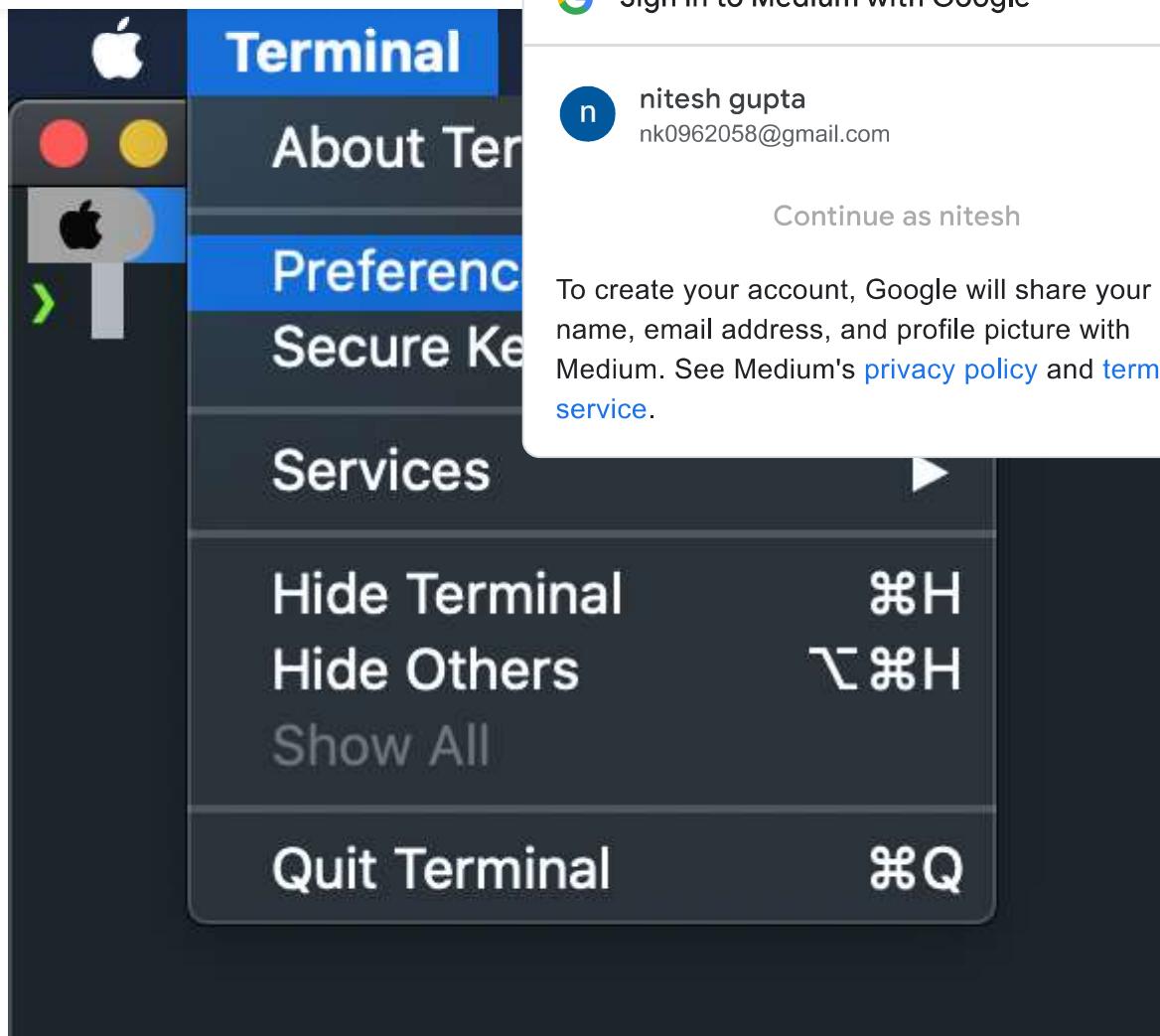
Now you need to save this file so just press `Ctrl + S`

Now you can open the **Ubuntu** terminal from the dropdown, it will ask you for the setup which you can easily do. We will look further

## For Mac OS X users

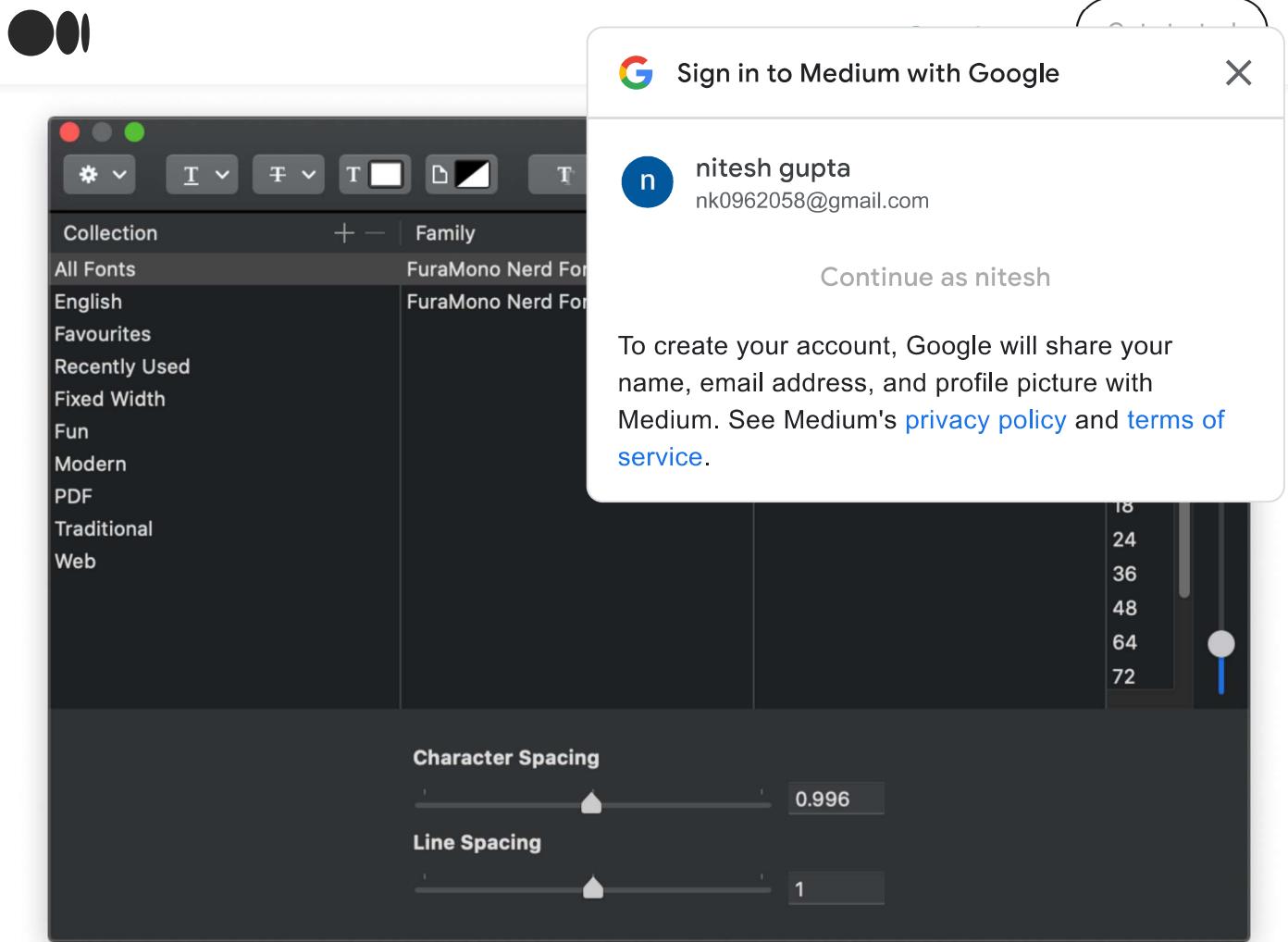
Just go to the terminal preferences





Now select your theme whatever you want and then click on the **Font Change Button** and search for **FuraMono**, just select it and close the window.





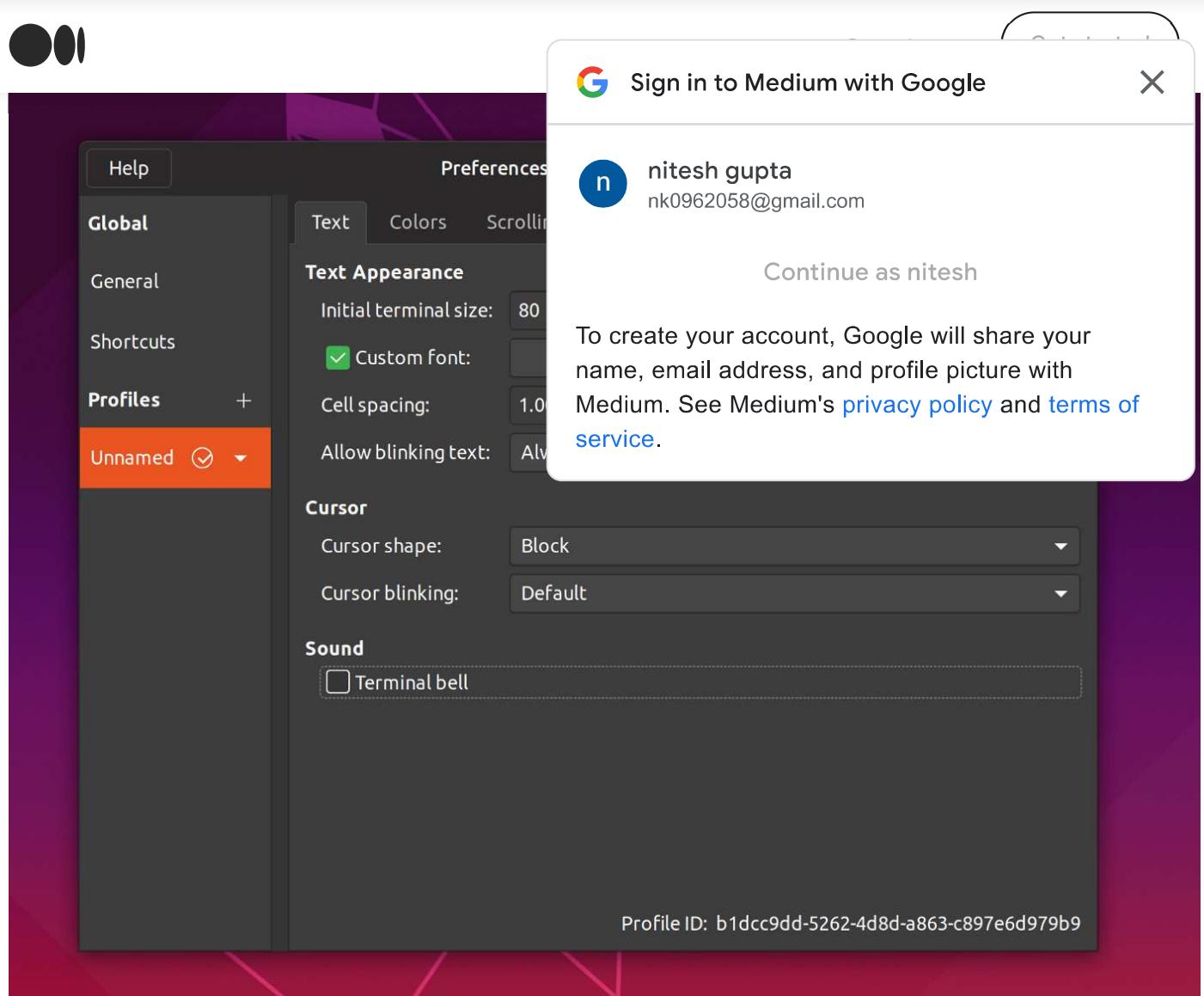
After that make sure you have made your theme to default and restart your terminal. If you want more themes you can download here [MacOS Terminal Themes](#).

There are many themes just double click to change what you like. I really liked the **Ocean Material and Pencil Dark**, make sure you make those default and change the fonts.

### For Linux users

You will also have to go to preferences of your terminal and change to the custom font which you installed. If it doesn't shows up you can try this.





You can set any font using `dconf` (e.g. in `dconf-editor`), under  
`/org/gnome/terminal/legacy/profiles:/<profile-id>/font`.

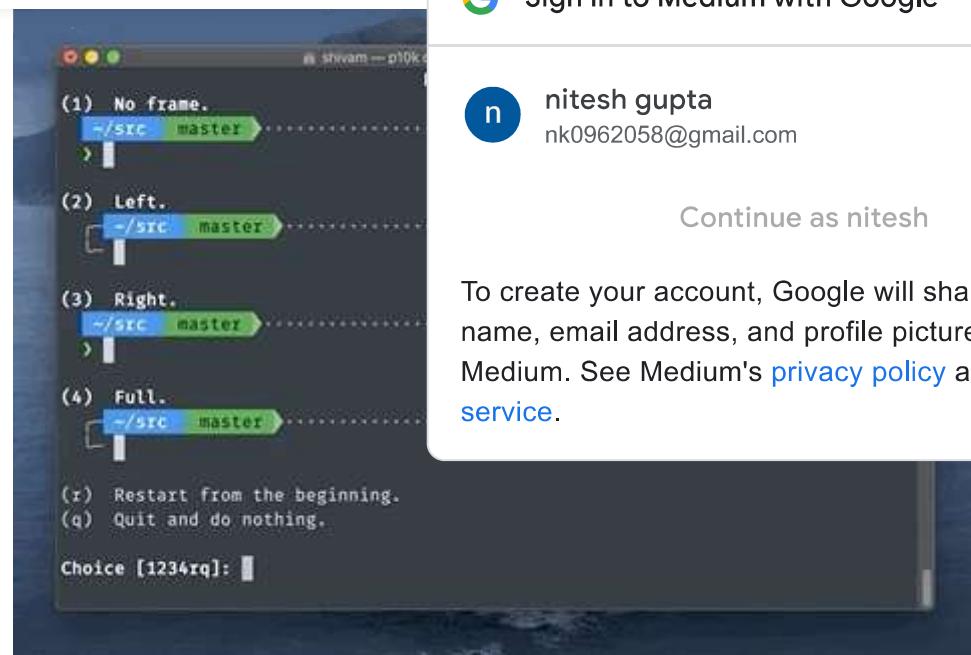
If you like you can also change the themes.

## Now the last step

You will need to run `p10k configure` command to setup your terminal looks. Just follow the steps which you see on screen. In the last select **option 3** which is verbose and then hit

Y





GIF running through setup

If you use VS code terminal then you will also have change the fonts. So just go to setting and search for `terminal.integrated.fontFamily` and add `FuraMono Nerd Font`. Restart and you are done :)

**Terminal > Integrated: Font Family**

Controls the font family of the terminal, this defaults to [Editor: Font Family](#)'s value.

**FuraMono Nerd Font**

## Fixing permission errors in ZSH

If you are getting any error like

```
[oh-my-zsh] Insecure completion-dependent directories detected:  
lrwxr-xr-x 1 rafael admin 88 Apr 28 15:51  
/usr/local/share/zsh/site-functions/_brew_services ->  
../../../../../Homebrew/Library/Taps/homebrew/homebrew-  
services/completions/zsh/ brew services
```

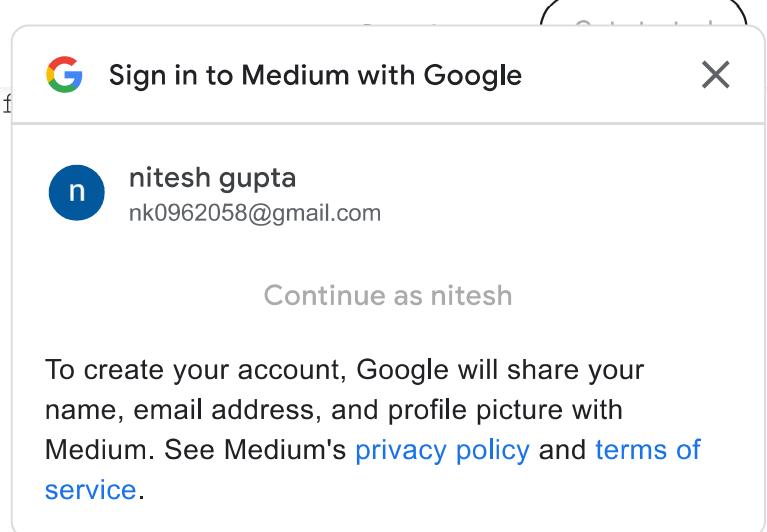




[oh-my-zsh] See the above list for writability.

Then just open your `~/.zshrc` file again

```
micro ~/.zshrc
```



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and add this line before the **# Path to your oh-my-zsh installation.**

```
ZSH_DISABLE_COMPFIX=true
```

So it will look like

```
# Path to your oh-my-zsh installation.  
ZSH_DISABLE_COMPFIX=true  
export ZSH="/Users/shivam/.oh-my-zsh"
```

Restart your terminal and everything should be fixed.

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research and test for you guys. If you want to see more of my work, check out my GitHub profile. I'm currently working on a project to make my terminal beautiful and fast with ZSH shell and PowerLevel10K. I hope you like it! If you have any questions or suggestions, feel free to leave a comment below. Thanks for reading!



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