Anandan M B

Software Developer | Full stack Developer

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SKILLS

Languages : Python | JavaScript | SQL | NoSQL | Motoko

Backend Technologies : NodeJS | ExpressJS | EJS | PlatfromJS | Axios | Lodash

Frontend Technoogies : React JS | HTML | CSS

Database : SQL [Postgres SQL , MYSQL , Sqlite3] | NoSQL [Mongodb]

Popular libries : Numpy | Pandas | matplotlib | sklearn | pytesseract | ROS

Platform : Native_hosting [manual Firewall DNS DHCP] | Heroku | Amazon aws Lightsnail [RDP] | Ngrok | Noip DDNS

Technilogies : ssh | sftp | ftp | dns | dhcp | rdp | hping

Tools : Wireshark | nmap | iptable | openDNS | openDHCP | opensense firewall | Openvas

Projects

VPN server implementation on amazon aws [Softether | Linux Shell | ssh | xrp | React | NodeJS | vpncmd]

https://eternityvpn.ddns.net

Hosted Vpn server on amazon aws using softether binary supporting [ethernet over https, openvpn, l2tp/ipsec, ms-sstp] protocols with higher bandwidth capable of supporting distributed independent computer cluster management, user interration is done by ssh xrp and web client developed using ExpressJS ReactJS …

GTA-5 Fivem gaming server on amazon aws [linux shell, ssh, sftp ,ssh tunnelling ,iptables, mysql ,ddns etc..] Hosted GTA5 Fivem gaming server on amazon aws using fivem binary and Mariya DB, deployment is performed in a coast effective manner, bu using virtual ram etc, protected by iptable configuration, server administration by ssh, sftp,xrp for RDP

ROS controlled Drone : [Embeded C | Python | Linux Shell | ROS | Flask | matlab | Pid]:

Stm 32 Microcontroller based drone controlled by ROS linux library used for industrial robots design, programmed using python. System is controlling through keyboard key trigger, webinterface etc, flight stabilization and calibartion is achived by pid control algoritham, Interrupt vector registary, dma and Matlab

RC controlled self-balanced bike : [Embeded C | Python | Linux shell | matlab]

RC controlled self vertical balanced bike developed by stm 32 microcontroller programmed in C, Calibration and system interfacing is done using python serial monitor library and Matlab

Education

B.Tech Mechanical Engineering at [National Institute of Technology Calicut] National Institute of Technology Calicut CGPA 7.45	2018 - 2022
Higher Secondary Education at [St. Stephens. HSS pathanapuram Kollam Kerala] Kerala board of higher secondary education 96.08%	2015 - 2017
Kerala board secondary education at [St. Stephens.HSS pathanapuram Kollam Kerala] Kerala board of higher secondary education 95% [10A+]	2010 - 2015

MOOC

1. **Python** - Coursera
2. **Data Structures & Algorithms in Python** - Udacity
3. **The Complete 2022 Web Development Bootcamp [Dr. Angela Yu]** – Udacity
4. **SQL for Data Analysis** – Udacity
5. **Django 4 and Python Full-Stack Developer Masterclass [Jose Portilla]** – Udemy
6. **Mastering Data Structures & Algorithms using C and C++ [Abdul Bari]** – Udemy
7. **Django 4 and Python Full-Stack Developer Masterclass [Jose Portilla]** – Udemy
8. **2022 Complete Python Bootcamp From Zero to Hero in Python** – Udemy
9. **Pc Hardware and Networking** – Rutronix

1. **Python** - Coursera