Tsegay G/mariam Kahsay

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Career objective

To secure a position where I can efficiently contribute my skills and abilities to the growth of the organization and build my professional career. To associate with this vibrant organization, to fully utilize my knowledge, skills and contribute to the overall growth of the organization.

Profile

Highly skilled Computer science and Engineer experienced in high performance sytem and network design , administration and software engineering. Detail-oriented and organized professional with creative mindset and strong project management abilities. A results-driven, customer-focused, articulate and analytical Software Engineer who can think "out of the box." Strong in design and integration problem-solving skills.

Core Qualifications

- An innovative thinker, initiative taker
- Testing
- Quality assurance
- Technical design
- Team player

- Agile/Scrum
- Optimizing and performance tuning
- Cross-tier components implementation
- Strong analytical skills
- Capacity and scalability planning

Professional Experience

Engineering Apps development   3/1/2017 – Current
Tigrai Beuro Science and Tech(BOST)   Mekelle, Tigrai

- Assisting and developing applications products.
- Observe and document system and component performance.
- Write and compile user manuals for completed systems .

Computer Engineer and maintenance   11/1/2017 – 2/1/2018
MIT-MU   Mekelle, Tigrai

- Maintaining lab computers and equipment
- Completed cost-benefit analysis for each system and component.
- Troubleshot malfunctions system and harwards in computer labs..

Cyber Security, data science and visualization   11/1/2016 – 2/1/2018
Miteh cybersec team in coperation with Tigrai BOST   Mekelle, Tigrai

- Penertration testing for some ethiopian sites
- Cyber security and advance computing techs awarness conferences
- Effective and productive usage of computer techs for organization employes train
- Designed and Develope Cybersecurity tools and scripts
- and are in progress projects that involves pythonic data analysis and visualization.

Education and Train
Bachelor of Science – Computer Science and engineering(CSE)   2018
MIT-Mekelle University   Mekelle,Tigrai
Linux Router and Community Networks   2015
Pro. Llorenç Cerdà-Alabern, Universitat Politècnica de Catalunya, Spain   Mit,mekelle

Selected Technical Skills
Programming/Scripting Languages : (Proficient) Python ; • JAVA • C++ • C• MySQL • markup languages (css,html,js,JQuery, Bootstrap,) Ruby, Perl ,linux and windows and linux shell script,
Operating Systems: Windows Mac Unix/Linux dist and Android including mobile platforms
Frameworks and tools: •tensorflow •Django •Flask •opencv •VHDL •MATLAB and AutoCAD, Microsoft Office, Remedy, Microsoft SQL Server, DB Artisan, Eclipse, Pycharm,Visual Studio.NET, FrontPage a lot more.

Projects
Malaria Detection and Classification Using Deep Learning Neural Network(2018): support hospitals and clinic in diagonosis for malaria, specially in sub sahara africa regions.
  • use the convoltional neral network artitificial intelligence(neural network) algorithm which is effcient and with accuracy of 87~%
  • The project mainly use artificial intellegence, Conventiona NN(CNNs) algorithm.
Amora Emergency and Crime Geographic Locator(2017): enable to track hospital emergency
  • the system developed using android client application and web and desktop based application with binded offline map server
  • The system is already finished and it is ready for application.
  • the big client data collected are analysised and visualize using matplotlib library.
Automated Scorrer Web BasedHacking Game(2018): Hacking learn and talent hunter platform
  • The project has been recommended by Insa which could help them recuret talented hackers and as hacking learning platform
  • Coded in Django-python framework using Model-View-Controller architecture and modsecurity web application firewall(WAP)
Digital Library(2017): Web based Library which is library on web sites that provide digital resources
  • coded in django-python framework and it is effcient and flexible system
  • the system order by tigrai beuro scient and technology as extend to their goal to introduce science and tech to the nation.
Imac scanner,payload migrator(paymig) social engineering and credential sniffer Desktop based and more hacking tools/scripts: a tools and scripts which facilitate hacking(penetration tesing) process.

I am working on Project that supports organizations in report data visualization,analysis which values in facilitate efficient decision making process.

Reference
  • Tigrai beuro science and technology(BOST): Solomon Tsegay , (+251) 914703873
  • Mitech cybersec team: was our startup computing tech company which started by 4 of mit student team members that been working on cybersecurity, data science and application development.
  • I've attached my certificate and application letter for your reference and consideration .

Declaration: I hereby certify that the information furnished above is true to the best of my knowledge.