

ANUSHKA LINGE

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EDUCATION

Master of Science in Computer Science

University of Florida, Gainesville, FL

Aug 2019 - May 2021

GPA: 3.91 / 4.00

Relevant Courses: Advanced Data Structures, Distributed Operating System Principles, Blockchain Optimization, Math for Intelligent Systems

Master of Science in Information Technology

University of Mumbai, Mumbai, India

Sep 2016 - Sep 2018

GPA: 8.29 / 10.00

Bachelor of Science in Information Technology

University of Mumbai, Mumbai, India

Aug 2012 - Jun 2015

GPA: 6.63 / 7.00

SKILLS

- **Languages:** Python, Java, SQL, C#, C++, XML, Elixir, MATLAB, Solidity
- **Tools:** PostgreSQL, Git, Linux

EXPERIENCE

Bista Solutions, ERP Developer

Aug 2015 - Aug 2017

- Developed and customized Accounting & Sales workflow in OpenERP for South Korean automotive manufacturer, that enabled tracking of sale orders, improved visualization and reduced time required to generate daily reports to management by 25% -- *Python, XML, JavaScript*
- Devised customized features in Accounting, Sale, Purchase modules of OpenERP, which simplified workflow and reduced execution time of tasks by 35%, for US-based advertising firm; built pivotal accounting reports using complex SQL queries, Python and the OpenERP ORM -- *Python, SQL, PostgreSQL, XML, JavaScript, nginx*
- Analyzed company's accounting information, customized accounting module in Odoo, performed troubleshooting of critical errors on live production server for US-based metal manufacturing company with upwards of 1000 employees -- *Python, SQL, PostgreSQL*

ACADEMIC PROJECTS

Twitter Engine -- *Elixir*

Nov – Dec 2019

Developed a twitter-like engine using the Phoenix framework, that allowed users to subscribe to other users, send tweets and retweet messages.

Implementing Advanced Data Structures -- *Java*

Oct – Nov 2019

Built Red Black Tree & Min Heap data structures for optimized scheduling of construction tasks

Tapestry Networking Algorithm -- *Elixir*

Oct 2019

Implemented the Tapestry algorithm for network routing & achieved 100% utilization of CPU cores for a maximum of 3000 network nodes

Gossip & Push Sum Protocols -- *Elixir*

Sep 2019

Implemented & tested performance of Gossip & Push-Sum protocols for various network topologies

Sickle Cell Disease Detection Kit -- *MATLAB, App Designer*

Apr - Jun 2018

Developed a GUI application using AppDesigner, used image processing techniques and artificial neural networks to detect sickle cells from blood smear images with an accuracy of 87%

ADDITIONAL

- Received the Achievement Award scholarship at University of Florida
- Received the Lotus Trust Post Graduate Scholarship award from Lotus Trust, India
- Presented a solution as part of collegiate team on 'How to reduce the instances of Gender-biased Sex Selection in India' at Social Conclave 2018