

Tasdik Rahman

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| WORK EXPERIENCE | <p>Razorpay (YC W15), Bangalore: <i>Infrastructure Engineer</i>, July, 2017 - Present</p> <ul style="list-style-type: none">Enabling scale @ Razorpay as part of a 4 member Infra team. <p>CISCO, Bangalore: <i>Software Engg. Intern, Security Business Group</i> Jan, 2017 - June, 2017</p> <ul style="list-style-type: none">Rewrote an internal service previously a monolith to a micro-services based architecture (RabbitMQ, federation, AMQP protocol, docker, distributed systems)Implemented a POC to integrate ELK Stack to an existing appliance framework for real time log aggregation, analysis and querying (Elasticsearch, Logstash, Kibana) <p>Wingify, New Delhi: <i>Software Engg. Intern, VWO Team</i> June, 2016 - August, 2016</p> <ul style="list-style-type: none">Integration of StatsD and Graphite for visualization of real time data consumption from RabbitMQ Work queues by an internal service on an array of production servers.Bumblebee: Custom Slack Bot for VWO Enterprise customers to get all campaign information, start/stop/pause, share campaigns etc. for their account right from their slack channel.Improved performance by 23.6% for an internal <i>flask</i> powered REST API used for report generation by the VWO app. Did so by refactoring existing codebase and implementing different algorithmic approaches. |
| OPEN SOURCE | <p>Google Summer of Code: <i>oVirt Org under RedHat</i> Summer 2017</p> <ul style="list-style-type: none">Responsible for writing new Ansible playbooks for roles with remote resources (Database, Data Warehouse) and other oVirt-utilities which would directly help in <i>Easier testing, Automated Re-deployment and Reduced errors while deploying, Issue reporting et al.</i> |
| EDUCATION | <p>B.Tech in Information Technology, 4th year 2013 - 2017 SRM University, KTR Campus, India</p> <ul style="list-style-type: none">CGPA of 9.071/10 (Till 7th semester) |
| TECHNICAL SKILLS | <p>Strongest Areas - Linux, Backend, DevOps</p> <p>Languages - Python, Go, C/C++, Java, Shell Script</p> <p>Tools/Frameworks - Ansible, Django, Flask, NLTK, Docker, Redis, RabbitMQ, Git, LAMP Stack, AWS, DigitalOcean, Heroku, SQLite, Travis-CI</p> |
| NOTEWORTHY PROJECTS | <p>All projects are available on Github : https://github.com/tasdikrahman</p> <ul style="list-style-type: none">SRM Search Engine: <i>Senior DevOps & Backend developer</i> A General Purpose Search Engine, funded by “National Internet Exchange of India”. Oversaw migration to <i>Flask</i> based app from a legacy CGI service. Helped write RESTful API's for various smart modules for our search service. Wrote scripts to automate the maintenance of our server. Crawlers to extract & index millions of pages, using NLP techniques to clear irrelevant data. Helped design & set up a 15 node, master-slave architecture Hadoop cluster.Plino: <i>Founder & Backend developer</i> https://plino.herokuapp.com/ Conceived plino, a high accuracy spam filtering system built on top of a custom <i>Naive Bayes Classifier</i>, trained against 33,000 emails. Designed & developed RESTful APIs using Flask. Implemented Caching for server load reduction. Achieved over 3000+ users in our 1st version. |

- **spammy** <https://github.com/prodicus/spammy/>
Custom Naive Bayes classifier installable as a *pip module*. Can be trained on your own dataset for classifying emails into spam/ham. **Accuracy achieved : 80% - 90%**. Classifier object can be serialized for later use, to avoid repeating training process. Powers the web app, “Plino”. **Downloaded over 1000+ times.**
- **easyrbac** <https://github.com/prodicus/easyrbac/>
A *pip module*, which allows you add *Role Based Access Control* to your application using which you can include fine grained rules specifying which role has access to what kind of resources. An implementation of Prof. Sandhu’s [paper](#)
- **Space Shooter** <https://github.com/prodicus/spaceShooter/>
A Pygame based classic 2D shooting game recreated in Python. Features include collision detection algorithms for sprites, high FPS flicker-free 2D animations, hot keys and space simulation. **Cross platform Executables** available for *Linux/BSD, Windows, MAC OS* based systems.
- **tnote** <https://github.com/prodicus/tnote/>
A cross platform, command line note taking app built using python. Ability to add/remove tags & timestamp in notes. Supports Full text search based on content and tags & highlights the match if found. Encrypted the Database using AES-256 in CBC mode. Peewee used as ORM.

ACHIEVEMENTS & AWARDS

- Special mention among the winners for our project at the annual Engineering Hackathon at CISCO competing among 24 teams.
- **SRM Search Engine** got covered thrice in *Times Of India*, a leading newspaper & by the TV Channel, *Vasanth TV*.
- **Space Shooter** got featured by *Softpedia*, *importpython*, *Python Digest*, *Pychina.org*, *dighub.ru*, *oschina.net*, *mybridge.co*, *recordnotfound.com*, *neuropuff.com* & **Product Hunt** in **games** genre.
- **Plino** got featured on **Product Hunt** in **tech** genre.
- **vocabulary** got featured by *Pycoders*, *Python Weekly* & *Import Python*.
- **tnote** got featured by *Import Python* & *Python Weekly*.
- **spammy** got featured by *Import Python* & the hugely popular “awesome-machine-learning” on Github, under Natural Language Processing tools.
- **Senior Member** of the College Coding Club, Code Rumble.
- **Silver Member** of SRM Innovation and Incubation Club.

TECHNICAL TALKS GIVEN

- “Diving deep on how imports work in Python”, PyCon Taiwan June 2017
- “Introduction to Ansible”, Bangalore Python User group April’17 Meetup
- “Demystifying how imports work in Python”, ChennaiPy October’16 Meetup

HACKATHONS

- Team Leader for the Intern group during the Annual Internal Engg. Team hackathon at CISCO.
- Team Leader for a group of 5 at “Startup Weekend, Chennai” (2015)

MORE

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