

Tasdik Rahman

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EDUCATION	B.Tech in Information Technology, 4th year SRM University, KTR Campus, India <ul style="list-style-type: none">CGPA of 9.071/10 (Till 7th semester)	2013 - 2017
WORK EXPERIENCE	CISCO, Bangalore: <i>Software Engg. Intern, Security Business Group</i> <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) Wingify, New Delhi: <i>Software Engg. Intern, VWO Team</i> <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. ONGC, Mumbai: <i>Summer Engg. Trainee</i> Worked along with the IT team to design and build a web app for “Offshore Maintenance Group” now being used by their internal employees, running on their intranet.	Jan, 2017 - Present June, 2016 - August, 2016 May, 2015 - June, 2015
TECHNICAL SKILLS	Strongest Areas - Linux, Backend, DevOps Languages - Python, Go, C++/C, Java, Shell Script, JavaScript Tools/Frameworks - Ansible, Django, Flask, NLTK, Docker, Redis, RabbitMQ, Git, LAMP Stack, AWS, DigitalOcean, Heroku, MySQL, SQLite, PostgreSQL, Travis-CI	
NOTEWORTHY PROJECTS	All projects are available on Github : https://github.com/prodicus <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 <i>pip module</i>. 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.	

- **vocabulary** <https://github.com/prodicus/vocabulary/>
A *pip* module, which returns meanings, synonyms, antonyms, usage examples, part of speech, hyphenation, pronunciation for a given word. Inspired by [WordNet](#), but comes with a universal JSON API. **Downloaded over 1700+ times.**
- **pyzipcode-cli** <https://github.com/prodicus/pyzipcode-cli/>
A python GIS module for extracting latitude, longitude, county and state data using just the zipcode and country code in JSON format. **Downloaded over 4500+ times.**
- **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.
- **foodoh** <https://github.com/prodicus/foodoh/>
Building a food recommendation system during “[Startup Weekend 2015](#)”. Extracted menu items from menu images using tesseract-OCR. Wrote scripts to scrape reviews, menu images and ratings of 3300+ hotels in Bangalore.

ACHIEVEMENTS & AWARDS

- **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 Sysadmin & backend developer** for the Govt. funded project, SRM Search Engine.
- **Senior Member** of the College Coding Club, Code Rumble.
- **Silver Member** of **SRM Innovation and Incubation Club**.

TECHNICAL TALKS GIVEN

- “**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

- Technical Blog <http://tasdikrahman.me/>
- Postal address 502-C Block, SRM Hostels, SRM University, Katthankulathur, TN, India.