

Tasdik Rahman

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EDUCATION	B.Tech in Information Technology, 4th year SRM University, KTR Campus, India • CGPA of 9.161/10 (Till 6 th semester)	2013 - 2017
WORK EXPERIENCE	Wingify, New Delhi: <i>Summer Engineering Intern, VWO Team</i> • 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. coala-analyzer.org: <i>Open Source Community Member</i> One of the early members of the now 104 core developers worldwide in the coala community. Wrote bug fixes, documentation and guiding the new comers to the community. ONGC, Mumbai: <i>Summer Engineering 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.	June, 2016 - August, 2016 Jan, 2016 - Present May, 2015 - June, 2015
TECHNICAL SKILLS	Strongest Areas - Linux, Databases Languages - Python, C++/C, Java, Go, Shell Script, PHP, JavaScript Tools/Frameworks - Django, Flask, NLTK, Docker, Redis, RabbitMQ, Tesseract-OCR, Make, Git, LAMP Stack, Peewee, Heroku, MySQL, SQLite, PostgreSQL, Travis-CI, Unit-testing	
NOTEWORTHY PROJECTS	All projects are available on Github : https://github.com/prodicus • SRM Search Engine: <i>Senior Devops & Backend developer</i> http://srmsearchengine.in/ A General Purpose Search, funded by the “ National Internet Exchange of India ”. Helped design & set up a 15 node, master-slave architecture Hadoop cluster. Configured “ <i>mmonit</i> ”, for monitoring system processes. Wrote scripts to automate the maintenance of our server and to crawl, extract & index millions of pages, using NLP techniques to clear irrelevant data. • 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 1 st 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 <i>pip module</i> , 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/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. *Work in progress.*

OPEN SOURCE

- **DuckDuckGo**: Built [instant answer modules](#) which have been deployed to production.
- **Coala-analyzer**: Improved documentation, wrote tests & helped new comers to our community.
- **GitSound**: [Refactored](#) the codebase to make the application platform independent.
- **cookiecutter**: Various [Bug fixes](#).
- **WiproOpenSourcePractice/openbdre**: Improved [Documentation](#).

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 *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](#).

WORKSHOPS & CONFERENCES

- Team leader for the hackathon, “**Startup Weekend 2015**” - Chennai.
- Attended [SciPy India 2015](#), held at **IIT Bombay**.
- Attended PyCon India 2014, 2015 held at Bangalore.
- Attended [Buildroid Android Workshop](#), held by the Google Developers Club - Chennai.

EXTRA - CURRICULAR

- As a volunteer for “[The Green Nest](#)”, a non profit NGO. I dedicated my Sundays going to various orphanages in Chennai area and helped the children learn their school study material.

MORE

- Technical Blog <http://tasdikrahman.me/>
- Postal address G Block - 818, SRM Hostels, SRM University, TN, India.