

Tasdik Rahman

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EDUCATION	B.Tech in Information Technology, 3rd year SRM University, KTR Campus, India <ul style="list-style-type: none">CGPA of 9.24/10 (Till 5th semester) High School - KV ONGC Panvel, Navi-Mumbai (CBSE) - 60.4% Secondary School - KV ONGC Panvel, Navi-Mumbai - 9.2 CGPA	2013 - 2017 2011 - 2013 2004 - 2011
EXPERIENCE	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. coala-analyzer.org: <i>Remote Developer</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.	May, 2015 - June, 2015 Jan, 2016 - Present
TECHNICAL SKILLS	Strongest Areas - Linux, Databases Languages - Python, C++/C, Java, Shell Script, PHP, JavaScript Tools/Frameworks - Flask, NLTK, tkinter, Peewee, Tesseract-OCR, Apache2, Unicorn, Git, LAMP Stack, Peewee, Heroku, make, MySQL, SQLite, L ^A T _E X, Travis-CI, Unit-testing	
SELECTED PROJECTS	All projects available on Github : https://github.com/prodicus <ul style="list-style-type: none">• SRM Search Engine : <i>Senior Devops and Backend developer</i> http://srmsearchengine.in/ A General Purpose Search, funded by the “<i>National Internet Exchange of India</i>”. Our team designed & set up a 15 node, master-slave architecture Hadoop cluster. Configured “<i>mmonit</i>”, for monitoring system processes. Wrote scripts for automating 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 for users to integrate our service with their apps. Implemented Caching for server load reduction. Achieved over 3000 users (and counting) in the 1st version of our application.• 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%. Blazingly fast once trained. Classifier object can be serialized for later use, to avoid repeating training process. Powers the web app, “<i>Plino</i>”• 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 much better, universal JSON API.• 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: Available for <i>Linux/BSD, Windows, MAC OS</i> based systems.• pyzipcode-cli https://github.com/prodicus/pyzipcode-cli/ A python GIS module which provides a clean JSON API to extract meta-data like latitude, longitude, county and state data using just the zipcode and country code.	

- **MovieReviewsAnalysis** <https://github.com/prodicus/movieReviewsAnalysis/>
Built a recommendation system which classifies Movies as Good/Bad by analyzing their reviews. Incorporated various Machine Learning algorithms using *scikit-learn* and *NLTK*. Built a voting system, combining the algorithms to select best option to achieve higher accuracy. Classifier object was serialized for later reuse to avoid repeating training process.
- **tnote** <https://github.com/prodicus/tnote/>
A cross platform, command line note taking app built using python. Supports Full text search based on content and tags and highlights the query text if match is found. Encryption of database using standard AES-256 in CBC mode. Support to add/remove tags & timestamp in notes. Peewee was used as the ORM choice.
- **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 of all 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** covered thrice in *Times Of India*, a leading newspaper & by *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
- Volunteer for “[The Green Nest](#)”, a non profit NGO. Being a part of which I dedicated my Sundays going to various orphanages in Chennai area and helping children learn their study material and beyond that.

MORE You can visit <http://tasdikrahman.me/> for more