

Narengi Tiniali VIP Road, House no 295  
Guwahati  
Assam, India  
☎ +91 (8486) 2948 64  
✉ [hrishikeshbman@gmail.com](mailto:hrishikeshbman@gmail.com)  
📄 <https://geekodour.github.io>

# Hrishikesh Barman

*Creative thinker with a knack for problem solving and  
motivated to bring happiness to others.*

## Work Experience

- 2018 Aug - **Intern, Free Software Foundation** Sysadmin and operations related tasks with Present Nagios, Prometheus and improving the LibreJS browser extension support.
- 2015 Nov - **Freelance Fullstack WebDeveloper** - Freelance projects based around web appli- Present cations, browser extensions, automation bots, scrapers, crawlers etc.
- 2016 Jul - **Systems Admin and Technical writer, Snoozepost** - Responsible for keeping Present the servers healthy and running automating tasks.

## Positions and Responsibilities

- 2017 May - **Campus Club Captain, Mozilla** - Conducted 20+ events in and outside campus Present related to OpenSource and Mozilla
- 2017 May - **Student Partner, Microsoft** - Active participation in organizing events related to Present emerging technologies and introducing student
- 2018 March - **City Ambassador, AngelHack** - Organizing the AngelHack Guwahati 2018 and Present other hackathon related activities.
- 2018 May - **Educator and Ambassador, Progate** - Conducting Hour of code in local schools Present and preparing study materials for students.

## Education

- Graduating **B.Tech in Computer Science and Engineering, GIMT Guwahati, Assam, India.**  
2020 Currently in 3rd Year

## Technical Interests

OpenSource, Web applications, Systems and Network programming, Networks, Sys-  
tem administration, Distributed systems

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## Community Activities

- 2017-Present **OpenSource Contributor.**  
Contributions to open source for both individual projects and bigger projects like Firefox, Thunderbird, Django, Neovim
- 2017-Present **DG-Plug Community Member.**  
Participation in discussions related to opensource and online privacy in India
- 2012 - 2015 **Cisco Learning Network Member.**  
Active participation in discussions related to computer networks

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## Skills

- Platforms Linux, Windows
- Languages Python, JavaScript, C, C++, Lua, Bash, Sed, Awk, PHP
- Web ReactJS, AngularJS, Django, Flask, NodeJS, Modern Build Systems
- DBMS MongoDB, MySQL, PostgreSQL, SQLite
- VCS Git, Mercurial
- Data Scrapy, Selenium, PhantomJS, D3, BS4, Pandas
- Operations AWS, Celery, Vagrant, Ansible, Docker, Nginx
- Administration Nagios, Prometheus
- Others  $\LaTeX$ , Data Structures, Algorithms, Operating Systems, Systems Programming, Network Programming, Automation Scripts, Regular Expressions

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## Honors & Awards

- 2018 **India National Finalist**, Microsoft Imagine Cup 2018.
- 2017 **PwC Track Winner**, Hack2Innovate Deep Tech Hackathon by Nvidia and PwC.
- 2017 **Honorable Mentions**, DMCH - Countering online extremism by Facebook&YKA.
- 2014 **Winner**, Esplendidez Paper Presentation on WhatsApp vulnerability.
- 2012 **Honorable Mentions**, NASA Ames Space Settlement Contest.

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## Projects

- 2018 **JohnmayerOS** A simple os written in assembly that prints my resume.
- 2018 **TwitMarks** Browser extension that adds native like bookmark functionality to twitter.
- 2017 **GitPushBlog** A static blog generator in JavaScript using the GithubAPI and issues.
- 2017 **WannaSmile** A simple windows service that defends a Windows machine against WannaCry once installed, got numerous media mentions.
- 2017 **MarkMyMind** Converts markdown text into a D3 mindmap using a custom markdown parser

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## Extracurricular Activities

- 2007 - 2013 District Badminton Player