FENIL A. GANDHI

PYTHONISTA | AUTODIDACT

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SKILLS

	Proficient	Comfortable
Programming Languages	Python, Javascript(ES6+), Shell Scripting, CSS, MYSQL	C, HTML, BF (esoteric)
Frameworks	Django, Flask, p5.js	React, Jquery, Jest, PyQt
Deployment Tools	AWS(EC2, Lamba, API Gateway, Route53)	Firebase, Heroku, Docker

INTERESTED IN

OpenSource | Product Engineering | Software Reliability Engineering | DevOps

EXPERIENCE

➤ **p5.js, OpenSource Contributor**   (Mar 2020 - Present)
   Tech Stack : Javascript, Mocha
   - Added missing unit tests, updated quality of existing tests by handling more edge cases leading to addition of overall 84 new tests to increase coverage from 63.27% to 65.97%.
   - Proposed a template for standardizing how inline documentation is written which generates a public facing reference for the library.
   - Updated implementation of methods to es6 in dom module and enhanced functionality of 10 methods by adding missing case handling.

➤ **Pesto Tech, Engineering Fellow**   (Jan 2020 - Apr 2020)
   - Learnt about best practices of developing web applications.
   - Understood Javascript fundamentals and studied edge-cases.
   - Learn React framework and developed a workspace booking application.
   - Learnt soft skills for working in as a Remote Developer.
   - Worked on Open Source Project

➤ **MagentaBi, Freelance Product Engineer**   (Mar 2019 - Nov 2019)
   Tech Stack : Python3, Flask, MYSQL, React
   - Created the backend architecture of MagentaBi
   - Created a tool for extracting, minifying about 100 GB of data per month from ERP on a daily basis, and pushing to master databases with remote management features and automated updates.
   - Was responsible for application and server management.
   - Wrote efficient MYSQL procedures for on-demand analytics charts, replacing backend data processing reducing response time by 50%

- ➢ **Quiv, Freelance Backend Developer** **(Apr 2019 - Oct 2019)**
  Tech Stack : Python3, Flask, Twilio, Razorpay
  - Integrated Razorpay's payment gateway with webhooks for triggering custom actions and automated payment handling.
  - Implemented notification service for our clients and their customers via whatsapp and emails.
  - Optimised data processing functions and made it more reliable by implementing Celery and Redis for asynchronous processing and caching.

- ➢ **Pivoting Softwares Ltd, Backend Developer** **(May 2018 - Jan 2019)**
  Tech Stack : Django, React, MySQL, Python3
  - Designed & Implemented the backend services for a fintech product with high-value transaction management.
  - Implemented binary generation tool which converted backend code to executable binary files before deployment for Django.
  - Was responsible for implementing customer transactional flows from specs to production.
  - Mentored 3 junior engineers on backend development and Python.
  - Managed AWS deployment services for the same.

OTHER KEY PROJECTS

- ➢ **QuadCopter, B.E. Final Year Project** **(Aug 2018 - Jun 2019)**
  - Assembled an FPS Quadcopter after a comparative study of different hardware components.
  - Developed and Optimised a controlling software for the same.
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- ➢ **Yowsup Client, Open Source Project**
  - Integrated a terminal-based WhatsApp Console Client with a Django WebUI.
  - Added automation features to the console-based client for mass communication.

EDUCATIONAL QUALIFICATION

DEGREE	UNIVERSITY	INSTITUTION	YEAR	CGPA / %
Post-Graduation	GTU	L.D. College of Engineering	2017 - 2019	8.37
Graduation	GTU	GEC, Gandhinagar	2013 - 2017	7.86
HSC	GSEB	H. B. Kapadia	2011 - 2013	84.5%

OTHER KEY ACHIEVEMENTS

Network Maintenance | 2018
Successfully Deployed OpnSense Firewall and Proxy for College Network and Maintaining It.

Introduction to Programming | 2018
Taught 2 labs of 60 students each covering the essentials of Programming Skills with practical implementation using the C language for 6 months.

Introduction to Python | 2016
Organized and Taught a 4-month introductory course on Python.

Catch Him If You Can | 2015
Lead Technical Support during the 2-day State level Workshop on "Ethical Hacking".