

Pratik Nalage

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EDUCATION

Dwarkanadas J. Sanghvi College of Engineering, Mumbai, India

Secured Bachelors in Information Technology

May 2019

CGPI: 8.01/10

Relevant Coursework: Applied Mathematics, Data Structures and Algorithms, Object-Oriented Programming, Database Management System, Internet Technologies, Web Programming, CGVR, Software Engineering, and Distributed Systems.

EXPERIENCE

BrowserStack, Mumbai, India

Software Engineer

May 2019 - Present

- Managing, tracking, and deploying products and code changes on the entire Desktop Infrastructure.
- Developed an Inventory System using Flask and MySQL to track hardware, network, and real-time machine status.
- Revamped Windows and Mac Security Updates mechanism, which reduced the failure rate from 40% to 12%
- Incorporated MacOS Catalina and Big Sur to production by adding support of Live, Automate, and JS products.
- Accomplished Proof of Concept (POC) for migrating the entire Desktop Infrastructure to Google Cloud using sole-tenants, reducing the manual involvement time by 90%

CarWale, Navi Mumbai, India

Software Engineer Intern

December 2018 - January 2019

- Restructured the code base of the Forums Page of the primary website from ASP.NET to .NET MVC architecture.
- Integrated communication between different Microservices using Remote Procedure Calls (gRPC).

AadiPradhan Foundation NGO, Remote

Web Developer Intern

July 2018 - September 2018

- Created portfolios, educational portals, and dynamic e-commerce websites using PHP, Javascript, jQuery, and CMS.

PROJECTS AND PUBLICATION

Multi-restaurant Online Food Ordering

- Created Flutter-based Android and IOS applications along with Laravel based Admin and Chef Panel for managing, ordering, and delivering food.
- Incorporated features like geolocation-based restaurant listing, multi-language support, RazorPay payment gateway, graph-based reporting dashboard, coupons, reviews, payouts, order tracking, push notifications etc. for mobile applications.

Uptime and Packet-loss Monitoring System

- Engineered Nagios, LibreNMS, and SmokePing to measure the uptime and packet-loss for calculating data center reliability.
- Implemented InfluxDB to store time-series uptime data to generate graphs and alerts like packet-loss via Pushover.

Smart Agriculture System

- Implemented an information portal, QnA Forum, SMS-based weather report, and irrigation reminder to digitize agriculture.
- Developed an image-based leaf disease detection portal using Neural Networks based on the leaf pattern, shape, and color.

User-Based Personalized Text Summarizer - Publication

- The paper discusses extractive and abstractive techniques to create a terse summary of any text document.
- Published in Algorithms for Intelligent Systems, Springer, Singapore. (DOI - https://doi.org/10.1007/978-981-15-3242-9_63)

SKILLS

- **Languages:** Ruby, Python, Java, C++, Bash, C# (basic)
- **Web Technologies:** HTML, CSS, JavaScript, JQuery, PHP
- **Frameworks:** Flask, Flutter, Laravel, gRPC, Selenium, Bootstrap, .NET MVC
- **Databases:** MySQL, MongoDB, BigQuery, SQLite, InfluxDB

EXTRA-CURRICULAR

- Chaired projects like Picasso, Scavenger Hunt, Tree Plantation Drives and orchestrated weekly meetings, conferences, and reporting to ensure the effective functioning of the club, as the director of Rotaract Club of Bombay Uptown - 2019
- Ranked as the Finalist of Mumbai hackathon for implementing Smart Agriculture System to digitize farming - 2018
- Executed social-media campaigns to promote and organize IIT-Hackfest Hackathon as a Campus Ambassador for IIT - 2017