Rupam Patir

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EDUCATION

SUNY Buffalo, NY
MS in Computer Science & Engineering
August 2021 - December 2022

- Analysis of Algorithms
- Machine Learning
- Modern Networking Concepts
- Computer Vision & Image Processing

IIIT, Delhi, India
B.Tech in Computer Science & Engineering
August 2013 - May 2017

- Data Structures
- Advanced Programming
- Collaborative Filtering
- Big Data Analytics
- Data Mining

TECHNICAL SKILLS

- Javascript, NuxtJS, VueJS, NodeJS, ReactJS
- Python, Java, C, C++
- Matlab, R, MongoDB, MySQL
- Jira, Asana, Github, MS Office, AutoCAD

AWARDS AND INVOLVEMENT

- Awarded for exemplary performance, Kuliza (2018)
- Taught computer applications in a school for differently abled people (2017)
- Volunteer for QueerCampus, Delhi (2015-2017)

LANGUAGES

Fluent in English, Hindi, Assamese and Khasi

HOBBIES

Sketching, Creative Writing, Video Games, Cooking

EXPERIENCE

Podium School, Bangalore – *Web Developer* | August 2020 - July 2021

- Designed and engineered the frontend single handedly for the online learning platform (podium.school) while working with the UX and PMO teams by utilizing agile methods including biweekly sprints
- Created an automated SMS, Voice and WhatsApp notification system using RESTful APIS with NodeJS and MongoDB; the feature was very positively received by customers across the 12 countries where classes operated
- Streamlined content management by building a minimal CMS using RESTful APIs, NuxtJS and MongoDB to reduce operational latency by 75% from 8 hours/day to less than 2 hours/day
- Managed 2 interns to build UI components in NuxtJS for the webapp and CMS

YourQuote, Bangalore – *Frontend Developer* | October 2018 - May 2020

- Collaborated with the UX team to move towards customer-centric designs for the 1 mil+ user base increasing the app's rating on GooglePlay from 4 to 4.4
- Revamped the frontend architecture and revitalised Search Engine Optimisation (SEO) resulting in an improvement of Daily Active Users (DAU) on the webapp (yourquote.in) by 200% from 33K to 100K DAU
- Enhanced frontend performance by implementing Caching, Compression, Load Balancing, Lazy Loading, Image Responsiveness and JS/HTML/CSS optimization to handle the 3-fold increase in DAU thereby eliminating expenses incurred from using auxiliary computer resources
- Conceived and coded app features such as one that downloads a user's quotes in a chic format that resulted in a 10-15% increase in monthly website revenue

Kuliza, Bangalore – *Junior Developer* | June 2017 - October 2018

- Spearheaded the frontend development for a real estate auctioning webapp (watabid.com) while using agile methodologies to collaborate with a team through daily scrums, weekly sprints and product discussions
- Collaborated with a team of 12 developers to build an e-commerce website for a clothing brand (Wrogn) and a webapp for an investment firm (finesse)

ACADEMIC PUBLICATIONS AND PROJECTS

Research on the Interpretability of AI | November 2019 - July 2020
https://link.springer.com/chapter/10.1007/978-3-030-63823-8_44

- Innovated a novel approach for AI interpretability and ran experiments on 5 datasets to verify its performance and usefulness
- Led the research, writing and presentation of the paper, "*Interpretability of Blackbox Machine Learning Models through Dataview Extraction and Shadow Model creation*" presented at an international conference ICONIP 2020

Text Chat Application | August 2021 - November 2021
https://github.com/rupampatir/cse589-Programming-Assignment-1

- Architectured a server-client text-chat application using socket programming
- Incrementally built the features in C for the text application including broadcast messaging and file transfers