Apoorv Khare

I am a Software Developer

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Areas of Interests

- Cross-platform and full-stack web and app development
- Software architecture, planning, design and documentation
- Creating and contributing to open-source projects

Education

Indian Institute of Technology, Roorkee   2016-20
Bachelors of Technology   Civil Engineering

Skills

Computer languages: (+frameworks): reStructuredText (+Sphinx), Python (+Django, Django REST Framework), Java (+Swing, JavaFX, Ant, Android), JavaScript/Node.js (+Storybook, Styleguidist, Jest, Vue, Vuex, Vue Router, React, Angular), Kotlin (+Android), CSS (+Stylus, Sass), Ruby (+Rails), Golang, Bash, C++, FORTRAN, PHP, HTML, Markdown and, of course, LATEX

Computer software: Git, Docker (+Compose), UFW, Sentry, NGINX, httpd, Celery, RabbitMQ, SQL & NoSQL databases, iPython, Jupyter, NumPy, SymPy, MathWorks MATLAB, Figma, Photoshop, Zeplin, Blender, Pytorch, Tensorflow

Open-source Projects

Portfolio Website
My portfolio is my small personal space on the Internet.
• Revamped online portfolio to use the modern ReactJS.
• Hosted on netlify and built using Gatsby.
• My personal technical blogging space.

Andromeda
A pleasing dark theme for vs-code for web development
• Optimized for Javascript and related frameworks/Library
• Easy distinctions between code and markup
• Optimized for long working hours

I-hate-bootstrap
A front-end design toolkit built with Sass for developing styling web apps
• For responsive, consistent and minimal styling of default HTML elements - buttons, forms, tables, lists, and typography.
• Can be used as a CDN or npm package.
• Quick to start with zero compiling or installing necessary.

Experience

Google Summer of Code 2019 | phpMyAdmin
Added new features and fixed major bugs in a widely used web interface for MySQL and similar databases, phpMyAdmin.
• added functionalities to theme generator tool, which allows users to create their custom themes
• Added functionality to mark relevant databases as favourites.
• Implemented a 'GO-TO navigation' to provide a better navigation experience to the user.

Summer Internship | Radicali Pte. Ltd.
• Radical i is a Singapore based startup working to make compliance teams ridiculously efficient.
• Built their company website. Coded a seamless website on react.js and worked on SEO optimization using next.js
• Later worked on development of web scrapers using scrapy which are used to collect data from regulatory websites.

Full Stack Developer | DataPhi Analytics Labs (P) Ltd.
• Developed an LMS software for a client company.
• Added the following feature to the platform : Push notifications, Role-Based Access and customised user workflow.
• Tech-Stack: Liferay Portal, Java, Spring, PgSQL, Git.

Coordinator | IMG, IIT Roorkee
Information Management Group (IMG) is the student body that manages and upgrades both the content management system powering the IIT Roorkee website and Channel i, the official intranet portal.
• Responsible for managing the administrative face of IMG.
• Mentored new members with development and upgradation of tech-stack
• Managing a team of more than 50 geeks.

Technical Projects

CMS | IMG
- CMS is a multi-user interface for managing, updating and publishing content on IIT Roorkee's Official Website.
- Provides better security and reliability by decoupling the update portal from the main website
- Dockerized the CMS 2.0 infrastructure consisting of the components like Apache, Yii2, RabbitMQ, Psql.
- Role: Developer + Maintainer | PHP, Yii2, RabbitMq, Apache2

Sentiment Analysis of customer reviews
- Scraped Twitter, Facebook, Instagram and brand websites to obtain Customer views for 5 major beauty brands.
- Executed sentiment analysis and opinion mining to infer customer satisfaction trend over geography and timeline
- Deployed a Quasi-RNN, trained on Amazon's product review data for predicting sentiment, aided by NLTK and TextBlob.