

Amitesh Ranjan

amitesh.ranjan.ar@gmail.com
+91 9167386282

JavaScript, Python
React.js, React Native, Node.js, AWS
AI, Computer Vision, WebRTC
TensorFlow, OpenCV, Tesseract, Janus

EDUCATION > _

BITS Pilani, Pilani — BE (Hons.) Computer Science, 2015
BITS Pilani, Pilani — Minor Degree in Film and Media, 2015



WORK EXPERIENCE > _

Lead Frontend Engineer, Graphy — Aug 2021 till present

Graphy is an online platform designed to help educators or public figures to grow their audience, monetize their skills, and host live cohort-based courses.

- Catering to the API requirements in Node.js backend.
- Micro-frontend on React.js
- Audiospace architecture setup POC over Janus (WebRTC library).
- Catering to the API requirements in Spring Boot framework.

Senior Software Developer, Mastree — Dec 2019 till Aug 2021

Mastree is an edTech platform to help kids master communication skills through live classes and weekly challenges.

- Architecture design and development of Content Engine with Adaptive Learning.
- Frontend lead responsible for ensuring best coding practices, maintaining multiple frontend repositories, triaging issues and task delegation.
- Development of React library for reusable components across multiple repositories. Development of interactive activities like Geometry Board, Classification puzzles with DnD functionality etc. Live Lesson development and maintenance using Agora SDK.
- Codebase optimization using Webpack, Lint, Sentry etc.
- Setting up of design system. Setting up of automated testing framework using Jest and organised github workflows.
- Web Accessibility. Micro Interaction for enhanced UX.
- Adaptive learning flowchart visualisation using Force Graph.
- [Website](#) performance enhancements and cross platform optimization using LambdaTest.
- Automations like Slack-bot Incoming webhooks implementation for auto-updates of live lesson feedback. Automated PDF report generation using puppeteer and handlebars.

Software Developer, Desynova — June 2017 till Feb 2019

Desynova provides cloud based solutions for media assets management to the enterprises in the content industry.

- Automated labeling of video assets through Optical Character Recognition using Tesseract. Object detection and recognition using pre-built CNN models (OpenCV, Tensorflow)
- Development of video asset management platform on AngularJS, Django and MySQL.
- Custom features integration on HTML5 video player like user comments, playback functionality, share options and video compilation capabilities.

- Deep Linking to mobile apps. Notification system development using Firebase. Rollbar for tracking errors and exceptions. Lifecycle logistics of a media asset.

Software Developer, IQLECT — Nov 2016 till March 2017

IQLECT provides a real time big data analytic platform as a SaaS product mainly focusing on enterprise solutions.

- Data visualisation using D3. Development of IQLECT client portal on AngularJS.
- Automated periodic email reports service using Sendgrid, PhantomJS and Boto3 Python library for AWS.

Software Developer, Stayzilla — Jul 2015 till Aug 2016

Stayzilla was a homestay network operating in India.

- UI/UX development and maintenance. Cross device and cross browser compatibility. Backend integration using RESTful API calls. Development of the chat system for customer engagement.

INTERNSHIPS > _

Intern, Global Logic — Jul 2014 till Dec 2014

GlobalLogic is a digital product engineering services company headquartered in San Jose, California, United States. It provides software product design and development services.

- [Setting up of Hadoop Clusters](#). Architecture Design POC using Spark, HBase, Yarn etc.

Intern, TopTalent — May 2014

TopTalent.in is a high end job portal aimed at current students and alumni of top Engineering and MBA colleges in India.

- Design and development of [TopTalent](#) website.

PERSONAL PROJECTS > _

Neural Style Transfer: Using Neural Style Transfer to create a new body of work.

Outcome 1 - [LINK](#)

Outcome 2 - [LINK](#)

Algorithm art: Artwork created using ProcessingJS.

Outcome 1 - [LINK](#)

Germination: Music project.

Germination - [LINK](#)