

KARAN AGRAWAL

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WORK EXPERIENCE

Speer Technologies ([Link](#)) Toronto, Canada
Software Development Engineer (Remote) Feb 2019 - Present

- Front-end lead for **LeapGrad**, a professional networking platform (**React**, **Redux**) for students and employers across Canada, uniquely designed to transform the job market industry. ([Link](#))
- Developed the front-end (**React**, **Salesforce**) for **Air Canada**'s internal portal for sales teams to receive budget allocations to ease reporting.
- Automated the matching process between a tourist and Lokafyer (tour-guide) by building a Lokafyer dashboard (**React**, **Django**), which was previously done manually using emails. ([Link](#))

ERPNext (Frappé Technologies Pvt. Ltd.) Mumbai, India
Software Development Intern May 2018 - Aug 2018

- Developed a Point of Sale application using **VueJS** and **FrappeJS**, in collaboration with 2 other developers. It is integrated into ERPNext's completely open-source flagship accounting software which is used by over 2 million enterprises worldwide.
- Developed the Item Selection View, Customer Creation, and Billing. ([Link](#))

Venn ThinkLabs Mumbai, India
Software Team Lead Aug 2018 - Oct 2018

- Worked closely with the CEO to design new features and enhancements to the existing application.
- Led the Software team to develop features under a set of implementation and delivery time constraints, optimizing for a blend of cost. ([Link](#)).
- Revamped the UI/UX of the application within 2 weeks.

Software Development Intern Dec 2017 - Jan 2018

- Evaluated different frameworks and made tech choices while working in a team of 2 developers, on a cross-platform mobile application in **React Native**, which uses a unique AI based recommendation system to bring people of similar interest groups together using data clustering.

SKILLS

Languages: JavaScript, Python, HTML, CSS, C/C++
Libraries & Frameworks: React, Redux, Vue, Flask, Node.js
Tools & Platforms: Git, Linux

PROJECTS ([LINK](#))

Video Summarizer

Built a Python application that converts any video into a short summarized video based on latent semantic analysis and NLP algorithms. **Ranked 5th** out of 70 projects at Hack in the North.

Deleted Image Recovery

Built a command-line application in C that recovers permanently deleted images from memory. Every JPEG image file has a significant arrangement of the first three bits. Implemented a program that looks for those significant bits to recover deleted images.

Image Filters

Built a JavaScript application for image editing. Implemented features like cropping, color-filters, green-screen imaging, etc.

EDUCATION

K. J. Somaiya College of Engineering Mumbai, India
Bachelor of Technology in Electronics Engineering Aug 2016 - Jun 2020
GPA (Computer Science Courses) - 10.0/10.0

Achievements ([Link](#)): Winner - Smart Cities Hackathon (The University of Texas at Austin), Google Gaining Traction Milestone, Winner - Hack in the North 3.0, Google India Challenge Scholarship, Runner Up - Zonal Finals of Iken Scientifica

Independent Coursework ([Link](#)): CS50 (Harvard University), Algorithms and Data Structures (MIT), Python Programming Specialization (University of Michigan), Web Development Specialization (University of Michigan), Internet of Things - Arduino & Raspberry Pi (University of California Irvine)