

## EDUCATION

Jan 2020-  
Mar 2021 **Master of Science in Computer Science**

*Sofia University, Palo Alto, CA*

Jul 2014 -  
Jun 2018 **Bachelor of Engineering in Electronics and Communications**

*Birla Institute of Technology, India*

## TECHNICAL SKILLS

Front End Dev HTML, CSS, Sass (SCSS), JavaScript, JQuery Typescript, React.JS, Redux, Semantic-UI, Bootstrap, Material-UI, Tailwind CSS, Figma, Adobe XD, JSON, XML, AJAX

Software Jira, Visual Studio Code, RStudio, Jupyter Notebook, Google Colab, BugZilla

Databases MySQL, NoSQL, Airtable, Amazon RDS, Fauna DB, Mongo DB (Mongoose client), Cloud Firestore

Deployment Amazon Web Services (EC2, S3), Google Cloud Platform (Cloud Functions), Netlify Cloud Functions, Vercel

## WORK EXPERIENCE

Aug 2020 - **Machine Learning Developer**

**IdeaXDesign, US**

Dec 2020 *Natural Language Processing Pipeline development*

- o Bolstered a team of 5 engineers practicing **agile workflow** to develop and deploy the company's Neunet platform, a platform that leverages Natural Language Processing for an unbiased and efficient bidirectional job matching system and recommend a curated list of eligible candidates for a job position using **clustering, Predictive Modeling, regularization, structured query generation and Named Entity Recognition** (62% accuracy).
- o Deployed Proof of Concept (POC) using **Django, Docker, AWS: EC2, S3 buckets for storing resumes, and MySQL database**.
- o Represented the technical team in meetings with potential 'Pilots' to showcase the Neunet architecture and performance.

Jul 2018 - **Software Developer**

**TradeBrains Pvt. Ltd., Ind**

Jun 2019 *Web Application Development*

- o Actively participated in sprints and successfully implemented the project following scrum agile practice. Involved in all phases of SDLC and SEO for 10+ high-competition keywords to increase traffic by 21%.
- o Designed client-side pipeline for data acquisition for stake holders and validation using **ReactJS, NodeJS, Redux, Express, Tweepy** and **Beautiful Soup** for web scraping **Amazon RDS**, and **AWS deployment** AWS deployment created detailed bug reports after performing unit testings and designed various UI elements for the project.
- o Implemented **JSON Web-Token (JWT)** Authentication for securing the Front-end Pipeline using **Redis** for storage of Tokens and User info.

Jan 2018 - **Web Development Intern**

**Bharat Sanchar Nigam Lmted. (BSNL), Ranchi, Ind**

May 2018 *UI/UX development*

- o Developed an interactive interface to visualize and edit various Network topologies using **HTML, CSS, jQuery, JavaScript, and Wireshark API**.
- o Debugged and redesigned existing reusable UI components like Forms, message templates, transition effects and product cards.
- o Automated **image optimization** and **minified JS and CSS**, which reduced page load times by up to 30%.

May 2017 - **Research Intern**

**Malviya National Institute of Technology, Ind**

Nov 2017 *Application of Internet of Things for Development of Smart Cities*

- o Enforced a smart lighting system using **RaspberryPi** and **sensors for optimizing electricity usage** depending on traffic and ambient conditions. Our monitoring system was able to intelligently detect the presence of people in the parking garage and toggle the power settings to save power by **2.2%**.
- o Coded an algorithm in **Python** to calculate least polluted path between two points in Jaipur city based on AQI (Air Quality Index).

## PROJECTS

Jul 2020 - **Official Website: Rainbow Kids A Play School, India** - Envisioned and deployed the official website for Rainbow Kids A Play School, Bihar, India using **HTML, CSS, jQuery, Bootstrap, Particles.JS, Anime.JS** and **Adobe XD for prototyping** the design ideas.

May 2020 **Official Website for NSI Consultants, South Africa**-Debugged and Redesigned the official website for NSI Consultants, Johannesburg, South Africa using **Figma** for prototyping, **Semantic UI, GSAP transitions and PageSpeed insights for testing**.

Apr 2020 **Bumpshoppe- a Deals store**-Designed E-commerce website for Bumpshoppe.com- a place to find deals in San Jose, CA using **Gatsby.JS, Semantic UI, GSAP animations, HTML, CSS, Barba.JS for page transitions, UI-gradients, SVG and Bluehost** hosting

Oct 2019 - **Subs-T** - Architect-ed a **JAM Stack Serverless** application to track a user's subscriptions using **Next.JS, Airtable, Auth0, Tailwind CSS and Vercel** hosting.