

EDUCATION

- Jan 2020 - **Master of Science in Computer Science** *Sofia University, Palo Alto, CA*
Mar 2021 Relevant Courses: Algorithms in Python and R, Data Visualization, Discrete Mathematics, Automata Computation and Complexity, Advanced topics in AI and Machine Learning, Systems Programming, Software Engineering, Web Development, Advanced Robotics Computing, Cyber Security
- Jul 2014 - **Bachelor of Engineering in Electronics and Communications** *Birla Institute of Technology, India*
Jun 2018 Relevant Courses: Data Structures, Algorithms, Fundamentals of Unix and C programming, Database Management Systems, Object Oriented Programming

WORK EXPERIENCE

- Sep 2020 - **Machine Learning Developer** *IdeaXDesign, US*
Dec 2020 *Natural Language Processing Pipeline development*
 - Bolstered a team of 5 engineers 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, regularizations, structured query generation and Named Entity Recognition** (72% accuracy). Deployment of Proof of Concept (POC) was done using **Django, HTML, Docker, AWS hosting**.
 - Represented the technical team in meetings with potential 'Pilots' to showcase the Neunet architecture and performance.
- Aug 2018 - **Full Stack Developer** *Trade Brains, Bangalore, Ind*
Jul 2019 *Natural Language Processing Pipeline development*
 - Translated design team's UX wireframes and mockups from **Adobe XD** into **responsive**, interactive features, using **HTML/CSS and JavaScript**.
 - Worked with agile team to migrate legacy company website to **Sass, React.JS, Node.Js, JavaScript, Styled components, Image optimizations, Cache management and Gulp.JS**.
 - Created HTML email templates that improved email **Click-Through Rate (CTR)** rates by **25%**.
- Jan 2018 - **Web Developer Intern** *Bharat Sanchar Nigam Lmted. (BSNL), Ranchi, Ind*
May 2018 *UI development*
 - Developed an interactive interface to visualize and edit various Network topologies using **HTML, CSS, jQuery, JavaScript, and Wireshark API**.
 - Debugged and redesigned existing reusable UI components like Forms, message templates, transition effects and product cards.
 - 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*
Aug 2017 *Application of Internet of Things for Development of Smart Cities*
 - Enforced a smart lighting system using RaspberryPi and sensors for optimizing electricity usage depending on traffic and ambient conditions, with our monitoring system we were able to intelligently detect the presence of people in the parking garage using cameras and pressure sensors and toggle the power settings to save power by 2.2%
 - Developed an algorithm in Python to calculate least polluted path between two points in Jaipur city based on AQI (Air Quality Index)

PROJECTS

- Oct 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 and JavaScript libraries and Adobe XD for prototyping the design ideas. Payment gateway was implemented using a third-party service (Pay U Money) for the application portal.
- Oct 2019 - **Subs-T** - Architect-ed a Full Stack Serverless application to track a user's subscriptions using Next.JS, Airtable, OAuth0 and Tailwind CSS.
- Jan 2020 - **Discover-Toons**-Devised a Full Stack social media application for users can read ,share and create anything related to cartoons and/or anime with JSON web token, GraphQL and MERN (MongoDB, React.JS, Express and Node.JS) as the tech stack.
- May 2020 **Official Website for NSI Consultants, South Africa**-Debugged and Redesigned the official website for NSI Consultants, an investing firm assisting NGOs and Businesses in Johannesburg, South Africa
- Jun 2020 **Two Factor Authentication**-Studied and developed a Two Factor authentication system for Full Stack applications using React.JS, Node-JSON-DB, JSON Web Tokens and SpeakEasy to authenticate tokens
- Jul 2020 **Bumpshoppe- a Deals store**-Designed officail website for Bumpshoppe.com- a place to find deals in San Jose, CA online using Semantic UI, GSAP animations for effects, HTML5, CSS3, Barba.JS for page transitions, UI-gradients for background themes, SVG animations and other modern web design practices.
- Aug 2020 **Wildfire-Tracker**-Designed a Wildfire tracker using React.JS, NASA Open API and Google Maps API to track wildfires in US, particularly in California.