

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
- 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

TECHNICAL SKILLS

- Languages Python, Java, C, R
Web Dev HTML, CSS, Sass (SCSS), JavaScript, Typescript
Front-End Dev ReactJS, Redux, Semantic-UI, Bootstrap, Material-UI, Tailwind CSS, Figma and Adobe XD
Back-End Dev Microservices, NodeJS, Express, Apollo Server, GraphQL, NextJS, Flask,
Software Visual Studio Code, RStudio, Jupyter Notebook, Google Colab, Git, Jira
Databases MySQL, Airtable, Amazon RDS, Fauna DB, Mongo DB (Mongoose client), Cloud Firestore
Cloud Amazon Web Services (EC2, S3), Docker, Google Cloud Platform (Cloud Functions), Netlify Cloud Functions
Machine Regression, Clustering, Classification, Dimensionality Reduction, Topic Modeling, Deep Learning, Hypothesis Testing, Learning Predictive Modeling

WORK EXPERIENCE

- Sep 2020- **Machine Learning Intern** *IdeaXDesign, US*
Dec 2020 *Natural Language Processing and Pipeline development*
 - Bolstering a team of 5 engineers to develop the company's Neunet platform, a platform that leverages Machine Learning for an unbiased and highly efficient bidirectional job matching system and provide a curated list of eligible candidates for a job position.
 - Designing a smart ATS (Applicant Tracking System) that filters candidates based on the job description provided using Spacy-NER (Named Entity Recognition), Structured Query generation for job description and candidate report generation.
- May 2017- **Research Intern** *Malviya National Institute of Technology, India*
Jul 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** - Designed 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, Graph-QL 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.

WORK AUTHORIZATION

Authorized to work for 3 years (till 2024) under OPT (Optional Practical Training) without Sponsorship.