|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | KUMAR SHANTAM | |  |
|  |  |  |  | | |  |  |
|  |  |  | 4085166732 | krshantam973@gmail.com | [Linkedin](https://www.linkedin.com/in/kumar-shantam-futureaihumans9) [Portfolio](https://kumarshantam.ml/) [Github](https://github.com/kumarshantam99) | | |  |
|  |  | 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 | |  |  |  |  |
|  |  | TECHNICAL SKILLS | |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| Languages | | Python, Java, C, R | |  |  |  |  |
| Deployment | | Netlify, Heroku, Vercel, Docker, Firebase, Github actions, Jenkins | | |  |  |  |
| Software | | Visual Studio Code, RStudio, Jupyter Notebook, Google Colab, Git, Jira | | | | |  |
| Databases | | MySQL, NoSQL, 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 | | | | |  |
|  |  | WORK EXPERIENCE | |  |  |  |  |
|  |  |  |  |  |  |
| Aug 2020 - | |  |  |  |  |
| **Machine Learning Developer** | |  | **IdeaXDesign, US** | |  |
| Dec 2020 | | *Natural Language Processing Pipeline development* | |  |  |  |  |
|  |  | + | 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). | | | |  |
|  |  | + | Deployment of Proof of Concept (POC) was done using **Django, Docker, AWS hosting and Amazon Relational** | | | |  |
|  |  |  | **Database Services (RDS)**. |  |  |  |  |
|  |  | + | Represented the technical team in meetings with potential ’Pilots’ to showcase the Neunet architecture and performance. | | | |  |
| Jan 2018 - | | **Web Development Intern** | | **Bharat Sanchar Nigam Lmtd. (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** | |  |
| Nov 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. 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%**. | | | |  |
|  |  | + | Developed 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](https://www.rainbowkidsbgp.com/) - Envisioned and deployed the oﬃcial website for Rainbow Kids

Aug 2020 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](https://kumarshantam99.github.io/Code_your_way_out/index.html)-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](https://www.bumpshoppe.com/)-Designed oﬃcial website for Bumpshoppe.com- a place to find deals in San Jose,

CA using **Semantic UI, GSAP animations, HTML, CSS, Barba.JS for page transitions, UI-gradients, SVG**

and **Bluehost** hosting

Feb 2020 [Two Factor Authentication](https://github.com/kumarshantam99/Wildfire-tracker)-Studied and developed a Two Factor authentication system for Full Stack applications

using **React.JS, React-Router-DOM, Redis, JSON Web Tokens and SpeakEasy** to authenticate tokens.

Jan 2020 - [Discover-Toons](https://github.com/kumarshantam99/Toons-Gram)-Devised a **Full Stack social media application** to read, share and create anything related to

Apr 2020 cartoons and/or anime with **JSON web token, GraphQL, Firebase Authentication, Redux, GSAP animations and**

**MERN (MongoDB (Mongoose client), React.JS, Express and Node.JS)** as the tech stack.

Oct 2019 - [Subs-T](https://github.com/kumarshantam99/subscriptions_tracker) - Architect-ed a **Full Stack Serverless** application to track a user’s subscriptions using **Next.JS,**

**Airtable,** Dec 2019 **Auth0, Tailwind CSS and Vercel hosting.**