

EXPERIENCE

- **SN Enterprises** Chennai, India
Software Development Engineer *August, 2021 – December, 2022*
 - **Development & Deployment:** Built a custom Django Web Application for Commercial Real Estate listings & deployed on Digital Ocean Server.
 - **Data Scraping & Automation:** Python Selenium Web Scraping on prominent Real Estate Platforms into tabular formats, resulting in decreased employee effort and greater productivity. Small-scale Management through Automation.
- **ECOC Pvt Ltd** Mandi | Chennai | Allahabad, India
Co Founder - IEDC Dept. | Dr. Rahul Kala | IIT, Mandi | IIIT, Allahabad *Jan, 2018 – June, 2021*
 - **Distribution & Sales:** Purchase, Management of Inventory recorded using in-house simple Flask server & SQLite3 database. Distributed merchandise to local dealers.
 - **Prototyping & Funding:** Built, tested and troubleshot electric bikes following proper assembling procedures. Designed prototype. Pitched business plans and secured funding twice.
- **Al-Watad Medical Est.** Jeddah, KSA
Intern *May, 2015 – July, 2015*
 - **Website Migration:** Assisted in fixing the company website's source written in PHP and its migration to a WordPress solution.

RESEARCH & PROJECTS

- **Commercial Real Estate Web Application:** Django full stack application that displays available properties coupled with an Admin Interface that lets the admin manage creation, update and deletion of new entries. Users have their own dashboard for keeping track of shortlisted properties. Written entirely on a Python back end and Jinja Templates for the front end. Hosted on Digital Ocean servers using Nginx and Gunicorn.
- **Online Music Sharing Platform:** GraphQL infused Django Graphene Backend which supports complex API queries, all handled by a React Client App for top user experience. A simple clone of the popular Sound Cloud Application.
- **E-Commerce Store:** API-driven design e-commerce shop with Node.js, React.js, MongoDB and AWS storage buckets, great SEO performance, payment gateways, and an admin dashboard to manage all operations.

PROGRAMMING SKILLS

- **Languages:** C++, Python, Bash, Javascript, Java, x86 Assembly
- **Cloud:** Digital Ocean, AWS
- **Database:** PostgreSQL, MySQL
- **Frameworks:** Django, Node.js, React.js, Vue.js
- **Relevant Coursework & Skills:** Data Structures, Algorithms, Low Level Systems, Assembly Programming, Multi-threading, Micro Processor Architecture, Operating Systems, Reverse Engineering, Data Science, Machine Learning.

MISCELLANEOUS

- **NewGen IEDC:** Secured seed funding for startup from New Generation Innovation and Entrepreneurship Development Centre(NewGen IEDC) programme launched by National Science and Technology Entrepreneurship Development Board(NSTEDB), Govt of India, 2019.
- **FreeLancing:** Secured paid contracts for SMEs in the Chennai area for the establishment and management of their own e-commerce site.

EDUCATION

- **Indian Institute of Information Technology, Allahabad** Allahabad, India
Master of Engineering in BioMedical *Aug, 2018 – Aug, 2020*
- **Indian Institute of Information Technology, Allahabad** Allahabad, India
Bachelor of Engineering in Electronics and Communications *Aug, 2014 – July, 2018*
- **International Indian School, Jeddah** Jeddah, Saudi Arabia
All India Senior School Certificate Examination *May, 2014*