Kundan Kumar

Email : kundank102@gmail.com
Mobile : +91-9891332816

Education

- **Netaji Subhas Institute of Technology** — New Delhi,India
  Bachelor of Engineering in Electronics and Communication; CGPA:7.158 — *2016 – 2020*
- **Mayur Public School** — New Delhi, India
  12th, AISSCE CBSE; Percentage: 91.4/100 — *2013 – 2015*

Experience

- **Defence Research and Development Organisation** — New Delhi, India
  Project Intern — *May 2019 - July 2019*
  - Designed and developed algorithm to calculate blindzones of Airborne Radar.
  - Developed an android app to analyze the algorithm for varoius radar at different terrain and plot the blindzones.
  - Added the functionality to operate the calculation according to dynamic operational parameters.
- **Bharat Sanchar Nigam Limited** — Ghaziabad, India
  Student Trainee — *Dec 2017 - Jan 2018*
  - The Training comprised of classroom education as well as Industrial visit and Lab visits.
  - The Training was divided into 4 modules: Mobile Communication, Optical Fiber Communication, NGN and Satellite communication and Management, Industrial and Environment Safety.

Projects

- **Airborne Radar Blindzone Diagram**: Developed an android app to generate blind zone diagram of Airborne Doppler Radar operating in Medium PRF. Used graph plotting libraries like Graph View for plotting the point graph of the blind-zones. Building a mobile application through user centered design principles. Data Storage was implemented through Sq-lite and was stored locally in the user's internal phone memory.
- **Med-Rep**: Built a Web-based application that serves as a centralized repository for storing all medical history of a person based on his AADHAR UID. It enables the doctors to have a comprehensive overview of the patients past medical history enables in having a seamless connection at a latter stage. This web based application was built using HTML, CSS, Node.js, Express and MongoDB.
- **Lorenz Attractor**: Implemented visualization of the Lorenz Attractor in Processing using Java. Used the OPENGL renderer and PeasyCam for 3d environment work flow.
- **Travelling Salesman Problem using Processing**: A parallelised implementation of travelling salesman problem visualised over processing using java. It calculates best path for the given nodes, traversing through all nodes, showing time elapsed, count of iteration and the path found so far.
- **SilentMe**: Building an android app to put a phone to silent or vibrate mode whenever a user enters within the radius of predefined location. Implemented Geofencing which triggers when the device enters the radius of the geofence area from the place picker in which the device gets a silent mode and when it leaves the geofence circumference it is reinstated to its previous state.

Programming Skills

- **Languages**: Java, C++, Javascript — **Technologies**: Android, SQLite, MongoDB, Node.JS
- **Relevent Coursework**: Data Structures, Design and Analysis of Algorithms, Operating Systems, Discrete Mathematics, Microprocessors

Extra Curricular

- **Venatus**: Executive Committee Member of the Venatus Society which organizes events for NSIT's cultural fest Moksha
- **Aimbot**: Organized an event "Aimbot" in NSIThon.